

- Metallized polyester
- According to CECC 30401-042, IEC 60384-2, DIN 44122

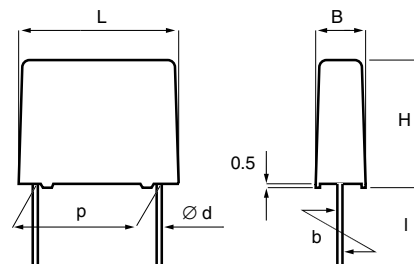


## TYPICAL APPLICATIONS

Bypassing, signal coupling. General purpose for highest reliability.

## CONSTRUCTION

Metallized polyester film capacitor. Radial leads of tinned wire are electrically welded to the contact metal layer on the ends of the capacitor winding. Encapsulation in self-extinguishing material meeting the requirements of UL 94V-0.



## TECHNICAL DATA

|                           |       |       |       |       |       |       |       |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|
| Rated voltage $U_R$ , VDC | 50    | 63    | 100   | 250   | 400   | 630   | 1000  |
| Rated voltage $U_R$ , VAC | 30    | 40    | 63    | 160   | 200   | 220   | 250   |
| Capacitance, $\mu F$      | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |
|                           | -10.0 | -82   | -82   | -39   | -18   | -6.8  | -4.7  |

**Capacitance tolerance**  $\pm 20\%$ ,  $\pm 10\%$  standard,  $\pm 5\%$ .

**Category temperature range**  $-55 \dots +100^\circ C$

**Voltage derating** Above  $+85^\circ C$  DC and AC voltage derating is  $1.25\%/^\circ C$ .

**Rated temperature**  $+85^\circ C$

**Climatic category** IEC 60068-1, 55/100/56  
DIN 40040, FME  
 $-55 \dots +100^\circ C (+125^\circ C)$   
Average relative humidity  $\leq 75\%$   
RH = 95% for 30 days per year.  
RH = 85% for further days limited by average value per year, occasional slight condensation permitted.

**Test voltage**  $1.6 \times U_R$  VDC for 2s

**Capacitance drift** Max. 2% after a 2 year storage period at a temperature of  $+10 \dots +40^\circ C$  and a relative humidity of 40...60%.

**Reliability** Operational life  $> 200\,000$  h.  
Failure rate  $< 3$  FIT,  $T = +40^\circ C$ ,  $U = 0.5 \times U_R$ .  
Failure criteria according to DIN 44122.

**Maximum pulse steepness:**  $dU/dt$  according to article table. For peak to peak voltages lower than rated voltage ( $U_{pp} < U_R$ ), the specified  $dU/dt$  can be multiplied by the factor  $U_R/U_{pp}$ .

**Temperature coefficient**  $+400 (\pm 200)$  ppm/ $^\circ C$  at 1 kHz

**Self inductance** Approximately 6 nH/cm for the total length of capacitor winding and the leads.

| p              | d   | std l    | max l | b         |
|----------------|-----|----------|-------|-----------|
| $5.0 \pm 0.4$  | 0.5 | $4^{+1}$ | 20    | $\pm 0.4$ |
| $7.5 \pm 0.4$  | 0.6 | $4^{+1}$ | 20    | $\pm 0.4$ |
| $10.0 \pm 0.4$ | 0.6 | $4^{+1}$ | 30    | $\pm 0.4$ |
| $15.0 \pm 0.4$ | 0.8 | $4^{+1}$ | 30    | $\pm 0.4$ |
| $22.5 \pm 0.4$ | 0.8 | $4^{+1}$ | 30    | $\pm 0.4$ |
| $27.5 \pm 0.4$ | 0.8 | $4^{+1}$ | 30    | $\pm 0.4$ |
| $37.5 \pm 0.5$ | 1.0 | $4^{+1}$ | 30    | $\pm 0.7$ |



Resonance frequencies  
MMK 5



Resonance frequencies  
MMK7.5 ... 37.5

## ENVIRONMENTAL TEST DATA

**Damp heat test** **Test conditions:**  $T = +40^\circ C$ , RH = 93%,  $t = 56$  days.  
**Test criteria:**  $\Delta C/C \leq \pm 5\%$ ,  
 $\Delta \tan \delta \leq 0.005$  (1kHz),  
IR after test  $0.5 \times IR$  min.

**Endurance test** **Test conditions:**  $T = +100^\circ C$ ,  $U = 1.25 \times (0.8 \times U_R)$ ,  
 $t = 2000$  h.  
**Test criteria:**  $\Delta C/C \leq \pm 5\%$ ,  
 $\Delta \tan \delta \leq 0.005$  (1kHz)  
 $\Delta \tan \delta \leq 0.010$  (100kHz)  
IR after test  $0.5 \times IR$  min.

## TECHNICAL DATA

### Dissipation factor $\tan\delta$

Maximum values at +23°C

$C \leq 0.1 \mu\text{F}$   $0.1 \mu\text{F} < C \leq 1.0 \mu\text{F}$   $C > 1.0 \mu\text{F}$

|                 |         |      |      |      |
|-----------------|---------|------|------|------|
| MMK5            | 1 kHz   | 0.8% | 0.8% | 0.8% |
|                 | 10 kHz  | 1.2% | 1.2% | 1.5% |
|                 | 100 kHz | 2.5% | 3.0% |      |
| MMK7.5 ... 37.5 | 1 kHz   | 0.8% | 0.8% | 1.0% |
|                 | 10 kHz  | 1.5% | 1.5% |      |
|                 | 100 kHz | 3.0% |      |      |

### Insulation resistance

Minimum values between terminals.

Measured at +20°C, according to IEC 60384-2.

$C \leq 0.33 \mu\text{F}$   $C > 0.33 \mu\text{F}$

|                        |          |         |
|------------------------|----------|---------|
| $U_R \leq 100\text{V}$ | 15000 MΩ | 5000 s  |
| $U_R > 100\text{V}$    | 30000 MΩ | 10000 s |

## ORDERING INFORMATION

See article table and pages 10 to 14 for options and article code construction.

## MARKING

- Capacitance
- Tolerance code
- Rated voltage
- Capacitor family code MMK
- Manufacturing date code

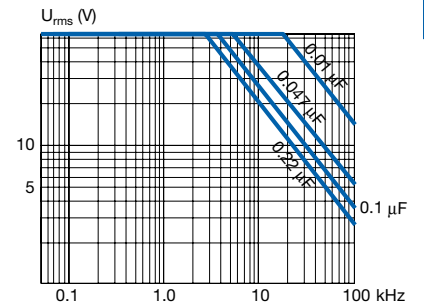
## RATED AC VOLTAGE VS. FREQUENCY



MMK5 50/30



MMK5 63/40



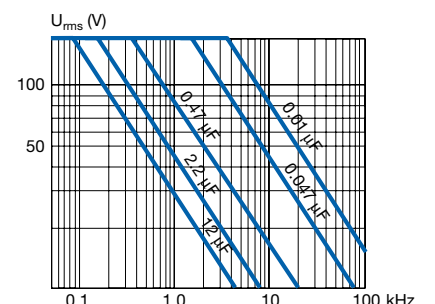
MMK5 100/63



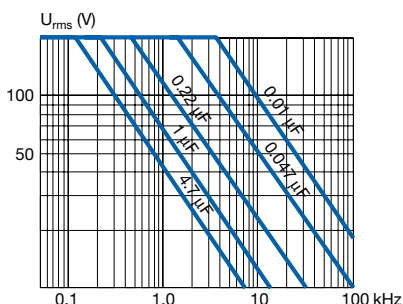
MMK7.5 ... 37.5 63/40



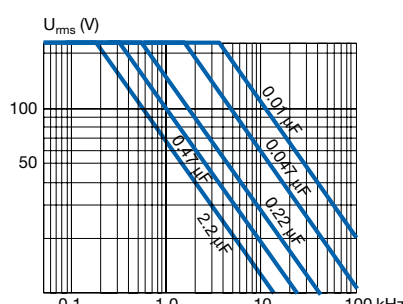
MMK7.5 ... 37.5 100/63



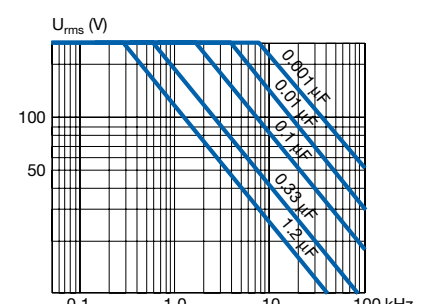
MMK7.5 ... 37.5 250/160



MMK7.5 ... 37.5 400/200



MMK7.5 ... 37.5 630/220



MMK7.5 ... 37.5 1000/250

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 50 VDC/30 VAC

## LEAD SPACING 5 MM

|        |     |     |      |     |    |                       |
|--------|-----|-----|------|-----|----|-----------------------|
| 0.0010 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 102K50J01L4 BULK |
| 0.0012 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 122K50J01L4 BULK |
| 0.0015 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 152K50J01L4 BULK |
| 0.0018 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 182K50J01L4 BULK |
| 0.0022 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 222K50J01L4 BULK |
| 0.0027 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 272K50J01L4 BULK |
| 0.0033 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 332K50J01L4 BULK |
| 0.0039 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 392K50J01L4 BULK |
| 0.0047 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 472K50J01L4 BULK |
| 0.0056 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 562K50J01L4 BULK |
| 0.0068 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 682K50J01L4 BULK |
| 0.0082 | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 822K50J01L4 BULK |
| 0.010  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 103K50J01L4 BULK |
| 0.012  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 123K50J01L4 BULK |
| 0.015  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 153K50J01L4 BULK |
| 0.018  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 183K50J01L4 BULK |
| 0.022  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 223K50J01L4 BULK |
| 0.027  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 273K50J01L4 BULK |
| 0.033  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 333K50J01L4 BULK |
| 0.039  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 393K50J01L4 BULK |
| 0.047  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 473K50J01L4 BULK |
| 0.056  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 563K50J01L4 BULK |
| 0.068  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 683K50J01L4 BULK |
| 0.082  | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 823K50J01L4 BULK |
| 0.10   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 104K50J01L4 BULK |
| 0.12   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 124K50J01L4 BULK |
| 0.15   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 154K50J01L4 BULK |
| 0.18   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 184K50J01L4 BULK |
| 0.22   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 224K50J01L4 BULK |
| 0.27   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 274K50J01L4 BULK |
| 0.33   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 334K50J01L4 BULK |
| 0.39   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 394K50J01L4 BULK |
| 0.47   | J01 | 2.5 | 6.5  | 7.2 | 12 | MMK5 474K50J01L4 BULK |
| 0.56   | J02 | 3.5 | 8.0  | 7.2 | 12 | MMK5 564K50J02L4 BULK |
| 0.68   | J02 | 3.5 | 8.0  | 7.2 | 12 | MMK5 684K50J02L4 BULK |
| 0.82   | J02 | 3.5 | 8.0  | 7.2 | 12 | MMK5 824K50J02L4 BULK |
| 1.0    | J02 | 3.5 | 8.0  | 7.2 | 12 | MMK5 105K50J02L4 BULK |
| 1.2    | J03 | 4.5 | 9.0  | 7.2 | 12 | MMK5 125K50J03L4 BULK |
| 1.5    | J03 | 4.5 | 9.0  | 7.2 | 12 | MMK5 155K50J03L4 BULK |
| 1.8    | J04 | 5.0 | 10.0 | 7.2 | 12 | MMK5 185K50J04L4 BULK |
| 2.2    | J04 | 5.0 | 10.0 | 7.2 | 12 | MMK5 225K50J04L4 BULK |
| 2.7    | J05 | 6.0 | 11.0 | 7.2 | 12 | MMK5 275K50J05L4 BULK |
| 3.3    | J05 | 6.0 | 11.0 | 7.2 | 12 | MMK5 335K50J05L4 BULK |
| 3.9    | J06 | 7.2 | 13.0 | 7.2 | 12 | MMK5 395K50J06L4 BULK |
| 4.7    | J06 | 7.2 | 13.0 | 7.2 | 12 | MMK5 475K50J06L4 BULK |
| 5.6    | J06 | 7.2 | 13.0 | 7.2 | 12 | MMK5 565K50J06L4 BULK |
| 6.0    | J06 | 7.2 | 13.0 | 7.2 | 12 | MMK5 605K50J06L4 BULK |

## LEAD SPACING 7.5 MM

|        |     |     |     |      |   |                         |
|--------|-----|-----|-----|------|---|-------------------------|
| 0.0010 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 102K50K00L4 BULK |
| 0.0012 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 122K50K00L4 BULK |
| 0.0015 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 152K50K00L4 BULK |
| 0.0018 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 182K50K00L4 BULK |
| 0.0022 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 222K50K00L4 BULK |
| 0.0027 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 272K50K00L4 BULK |
| 0.0033 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 332K50K00L4 BULK |
| 0.0039 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 392K50K00L4 BULK |
| 0.0047 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 472K50K00L4 BULK |
| 0.0056 | K00 | 2.5 | 6.0 | 10.0 | 5 | MMK7.5 562K50K00L4 BULK |

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 50 VDC/30 VAC

## LEAD SPACING 7.5 MM

|        |     |     |      |      |   |                         |
|--------|-----|-----|------|------|---|-------------------------|
| 0.0068 | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 682K50K00L4 BULK |
| 0.0082 | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 822K50K00L4 BULK |
| 0.010  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 103K50K00L4 BULK |
| 0.012  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 123K50K00L4 BULK |
| 0.015  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 153K50K00L4 BULK |
| 0.018  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 183K50K00L4 BULK |
| 0.022  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 223K50K00L4 BULK |
| 0.027  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 273K50K00L4 BULK |
| 0.033  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 333K50K00L4 BULK |
| 0.039  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 393K50K00L4 BULK |
| 0.047  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 473K50K00L4 BULK |
| 0.056  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 563K50K00L4 BULK |
| 0.068  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 683K50K00L4 BULK |
| 0.082  | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 823K50K00L4 BULK |
| 0.10   | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 104K50K00L4 BULK |
| 0.12   | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 124K50K00L4 BULK |
| 0.15   | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 154K50K00L4 BULK |
| 0.18   | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 184K50K00L4 BULK |
| 0.22   | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 224K50K00L4 BULK |
| 0.27   | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 274K50K00L4 BULK |
| 0.33   | K00 | 2.5 | 6.0  | 10.0 | 5 | MMK7.5 334K50K00L4 BULK |
| 0.39   | K01 | 4.0 | 8.0  | 10.0 | 5 | MMK7.5 394K50K01L4 BULK |
| 0.47   | K01 | 4.0 | 8.0  | 10.0 | 5 | MMK7.5 474K50K01L4 BULK |
| 0.56   | K01 | 4.0 | 8.0  | 10.0 | 5 | MMK7.5 564K50K01L4 BULK |
| 0.68   | K01 | 4.0 | 8.0  | 10.0 | 5 | MMK7.5 684K50K01L4 BULK |
| 0.82   | K01 | 4.0 | 8.0  | 10.0 | 5 | MMK7.5 824K50K01L4 BULK |
| 1.0    | K01 | 4.0 | 8.0  | 10.0 | 5 | MMK7.5 105K50K01L4 BULK |
| 1.2    | K03 | 5.0 | 11.0 | 10.0 | 5 | MMK7.5 125K50K03L4 BULK |
| 1.5    | K03 | 5.0 | 11.0 | 10.0 | 5 | MMK7.5 155K50K03L4 BULK |
| 1.8    | K03 | 5.0 | 11.0 | 10.0 | 5 | MMK7.5 185K50K03L4 BULK |
| 2.2    | K04 | 6.0 | 12.0 | 10.5 | 5 | MMK7.5 225K50K04L4 BULK |
| 2.7    | K04 | 6.0 | 12.0 | 10.5 | 5 | MMK7.5 275K50K04L4 BULK |
| 3.3    | K04 | 6.0 | 12.0 | 10.5 | 5 | MMK7.5 335K50K04L4 BULK |

## LEAD SPACING 10 MM

|     |     |     |      |      |   |                        |
|-----|-----|-----|------|------|---|------------------------|
| 1.0 | A01 | 4.0 | 9.0  | 13.0 | 4 | MMK10 105K50A01L4 BULK |
| 1.2 | A01 | 4.0 | 9.0  | 13.0 | 4 | MMK10 125K50A01L4 BULK |
| 1.5 | A02 | 4.5 | 10.5 | 13.0 | 4 | MMK10 155K50A02L4 BULK |
| 1.8 | A03 | 5.0 | 11.0 | 13.0 | 4 | MMK10 185K50A03L4 BULK |
| 2.2 | A03 | 5.0 | 11.0 | 13.0 | 4 | MMK10 225K50A03L4 BULK |
| 2.7 | A04 | 6.0 | 12.0 | 13.0 | 4 | MMK10 275K50A04L4 BULK |

## LEAD SPACING 15 MM

|      |     |     |      |      |   |                        |
|------|-----|-----|------|------|---|------------------------|
| 2.0  | B04 | 5.5 | 10.5 | 18.0 | 3 | MMK15 205K50B04L4 BULK |
| 2.2  | B04 | 5.5 | 10.5 | 18.0 | 3 | MMK15 225K50B04L4 BULK |
| 2.7  | B05 | 5.5 | 12.5 | 18.0 | 3 | MMK15 275K50B05L4 BULK |
| 3.3  | B05 | 5.5 | 12.5 | 18.0 | 3 | MMK15 335K50B05L4 BULK |
| 3.9  | B10 | 6.5 | 12.5 | 18.0 | 3 | MMK15 395K50B10L4 BULK |
| 4.7  | B06 | 7.5 | 14.5 | 18.0 | 3 | MMK15 475K50B06L4 BULK |
| 5.6  | B06 | 7.5 | 14.5 | 18.0 | 3 | MMK15 565K50B06L4 BULK |
| 6.8  | B12 | 8.0 | 15.0 | 18.0 | 3 | MMK15 685K50B12L4 BULK |
| 8.2  | B11 | 8.5 | 16.0 | 18.0 | 3 | MMK15 825K50B11L4 BULK |
| 10.0 | B14 | 9.5 | 17.5 | 18.0 | 3 | MMK15 106K50B14L4 BULK |

## ARTICLE TABLE

| Capaci-<br>tance<br>μF | Box<br>code | Max dimen-<br>sions in mm |      |      | Max<br>dU/dt<br>V/μs | Article code            | Capaci-<br>tance<br>μF | Box<br>code | Max dimen-<br>sions in mm |      |      | Max<br>dU/dt<br>V/μs   | Article code            |
|------------------------|-------------|---------------------------|------|------|----------------------|-------------------------|------------------------|-------------|---------------------------|------|------|------------------------|-------------------------|
| 63 VDC/40 VAC          |             |                           |      |      |                      | 63 VDC/40 VAC           |                        |             |                           |      |      |                        |                         |
| LEAD SPACING 5 MM      |             |                           |      |      |                      | LEAD SPACING 7.5 MM     |                        |             |                           |      |      |                        |                         |
| 0.0010                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 102K63J01L4 BULK   | 0.022                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 223K63K00L4 BULK |
| 0.0012                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 122K63J01L4 BULK   | 0.027                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 273K63K00L4 BULK |
| 0.0015                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 152K63J01L4 BULK   | 0.033                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 333K63K00L4 BULK |
| 0.0018                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 182K63J01L4 BULK   | 0.039                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 393K63K00L4 BULK |
| 0.0022                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 222K63J01L4 BULK   | 0.047                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 473K63K00L4 BULK |
| 0.0027                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 272K63J01L4 BULK   | 0.056                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 563K63K00L4 BULK |
| 0.0033                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 332K63J01L4 BULK   | 0.068                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 683K63K00L4 BULK |
| 0.0039                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 392K63J01L4 BULK   | 0.082                  | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 823K63K00L4 BULK |
| 0.0047                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 472K63J01L4 BULK   | 0.10                   | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 104K63K00L4 BULK |
| 0.0056                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 562K63J01L4 BULK   | 0.12                   | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 124K63K00L4 BULK |
| 0.0068                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 682K63J01L4 BULK   | 0.15                   | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 154K63K00L4 BULK |
| 0.0082                 | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 822K63J01L4 BULK   | 0.18                   | K00         | 2.5                       | 6.0  | 10.0 | 10                     | MMK7.5 184K63K00L4 BULK |
| 0.010                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 103K63J01L4 BULK   | 0.22                   | K01         | 4.0                       | 8.0  | 10.0 | 10                     | MMK7.5 224K63K01L4 BULK |
| 0.012                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 123K63J01L4 BULK   | 0.27                   | K01         | 4.0                       | 8.0  | 10.0 | 10                     | MMK7.5 274K63K01L4 BULK |
| 0.015                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 153K63J01L4 BULK   | 0.33                   | K01         | 4.0                       | 8.0  | 10.0 | 10                     | MMK7.5 334K63K01L4 BULK |
| 0.018                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 183K63J01L4 BULK   | 0.39                   | K01         | 4.0                       | 8.0  | 10.0 | 10                     | MMK7.5 394K63K01L4 BULK |
| 0.022                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 223K63J01L4 BULK   | 0.47                   | K01         | 4.0                       | 8.0  | 10.0 | 10                     | MMK7.5 474K63K01L4 BULK |
| 0.027                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 273K63J01L4 BULK   | 0.56                   | K03         | 5.0                       | 11.0 | 10.0 | 10                     | MMK7.5 564K63K03L4 BULK |
| 0.033                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 333K63J01L4 BULK   | 0.68                   | K03         | 5.0                       | 11.0 | 10.0 | 10                     | MMK7.5 684K63K03L4 BULK |
| 0.039                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 393K63J01L4 BULK   | 0.82                   | K03         | 5.0                       | 11.0 | 10.0 | 10                     | MMK7.5 824K63K03L4 BULK |
| 0.047                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 473K63J01L4 BULK   | 1.0                    | K03         | 5.0                       | 11.0 | 10.0 | 10                     | MMK7.5 105K63K03L4 BULK |
| 0.056                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 563K63J01L4 BULK   | 1.2                    | K04         | 6.0                       | 12.0 | 10.5 | 10                     | MMK7.5 125K63K04L4 BULK |
| 0.068                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 683K63J01L4 BULK   | 1.5                    | K04         | 6.0                       | 12.0 | 10.5 | 10                     | MMK7.5 155K63K04L4 BULK |
| 0.082                  | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 823K63J01L4 BULK   | LEAD SPACING 10 MM     |             |                           |      |      |                        |                         |
| 0.10                   | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 104K63J01L4 BULK   | 0.0010                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 102K63A01L4 BULK  |
| 0.12                   | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 124K63J01L4 BULK   | 0.0012                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 122K63A01L4 BULK  |
| 0.15                   | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 154K63J01L4 BULK   | 0.0015                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 152K63A01L4 BULK  |
| 0.18                   | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 184K63J01L4 BULK   | 0.0018                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 182K63A01L4 BULK  |
| 0.22                   | J01         | 2.5                       | 6.5  | 7.2  | 25                   | MMK5 224K63J01L4 BULK   | 0.0022                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 222K63A01L4 BULK  |
| 0.27                   | J02         | 3.5                       | 8.0  | 7.2  | 25                   | MMK5 274K63J02L4 BULK   | 0.0027                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 272K63A01L4 BULK  |
| 0.33                   | J02         | 3.5                       | 8.0  | 7.2  | 25                   | MMK5 334K63J02L4 BULK   | 0.0033                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 332K63A01L4 BULK  |
| 0.39                   | J02         | 3.5                       | 8.0  | 7.2  | 25                   | MMK5 394K63J02L4 BULK   | 0.0039                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 392K63A01L4 BULK  |
| 0.47                   | J02         | 3.5                       | 8.0  | 7.2  | 25                   | MMK5 474K63J02L4 BULK   | 0.0047                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 472K63A01L4 BULK  |
| 0.56                   | J03         | 4.5                       | 9.0  | 7.2  | 25                   | MMK5 564K63J03L4 BULK   | 0.0056                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 562K63A01L4 BULK  |
| 0.68                   | J03         | 4.5                       | 9.0  | 7.2  | 25                   | MMK5 684K63J03L4 BULK   | 0.0068                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 682K63A01L4 BULK  |
| 0.82                   | J04         | 5.0                       | 10.0 | 7.2  | 25                   | MMK5 824K63J04L4 BULK   | 0.0078                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 782K63A01L4 BULK  |
| 1.0                    | J04         | 5.0                       | 10.0 | 7.2  | 25                   | MMK5 105K63J04L4 BULK   | 0.0082                 | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 822K63A01L4 BULK  |
| 1.2                    | J05         | 6.0                       | 11.0 | 7.2  | 25                   | MMK5 125K63J05L4 BULK   | 0.010                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 103K63A01L4 BULK  |
| 1.5                    | J05         | 6.0                       | 11.0 | 7.2  | 25                   | MMK5 155K63J05L4 BULK   | 0.012                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 123K63A01L4 BULK  |
| 1.8                    | J06         | 7.2                       | 13.0 | 7.2  | 25                   | MMK5 185K63J06L4 BULK   | 0.015                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 153K63A01L4 BULK  |
| 2.2                    | J06         | 7.2                       | 13.0 | 7.2  | 25                   | MMK5 225K63J06L4 BULK   | 0.018                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 183K63A01L4 BULK  |
| LEAD SPACING 7.5 MM    |             |                           |      |      |                      | 0.022                   | A01                    | 4.0         | 9.0                       | 13.0 | 8    | MMK10 223K63A01L4 BULK |                         |
| 0.0010                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 102K63K00L4 BULK | 0.027                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 273K63A01L4 BULK  |
| 0.0012                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 122K63K00L4 BULK | 0.033                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 333K63A01L4 BULK  |
| 0.0015                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 152K63K00L4 BULK | 0.039                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 393K63A01L4 BULK  |
| 0.0018                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 182K63K00L4 BULK | 0.047                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 473K63A01L4 BULK  |
| 0.0022                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 222K63K00L4 BULK | 0.056                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 563K63A01L4 BULK  |
| 0.0027                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 272K63K00L4 BULK | 0.068                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 683K63A01L4 BULK  |
| 0.0033                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 332K63K00L4 BULK | 0.082                  | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 823K63A01L4 BULK  |
| 0.0039                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 392K63K00L4 BULK | 0.10                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 104K63A01L4 BULK  |
| 0.0047                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 472K63K00L4 BULK | 0.12                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 124K63A01L4 BULK  |
| 0.0056                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 562K63K00L4 BULK | 0.15                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 154K63A01L4 BULK  |
| 0.0068                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 682K63K00L4 BULK | 0.18                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 184K63A01L4 BULK  |
| 0.0082                 | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 822K63K00L4 BULK | 0.22                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 224K63A01L4 BULK  |
| 0.010                  | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 103K63K00L4 BULK | 0.27                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 274K63A01L4 BULK  |
| 0.012                  | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 123K63K00L4 BULK | 0.33                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 334K63A01L4 BULK  |
| 0.015                  | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 153K63K00L4 BULK | 0.39                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 394K63A01L4 BULK  |
| 0.018                  | K00         | 2.5                       | 6.0  | 10.0 | 10                   | MMK7.5 183K63K00L4 BULK | 0.47                   | A01         | 4.0                       | 9.0  | 13.0 | 8                      | MMK10 474K63A01L4 BULK  |

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 63 VDC/40 VAC

## LEAD SPACING 10 MM

|      |     |     |      |      |   |                        |
|------|-----|-----|------|------|---|------------------------|
| 0.56 | A01 | 4.0 | 9.0  | 13.0 | 8 | MMK10 564K63A01L4 BULK |
| 0.68 | A01 | 4.0 | 9.0  | 13.0 | 8 | MMK10 684K63A01L4 BULK |
| 0.82 | A01 | 4.0 | 9.0  | 13.0 | 8 | MMK10 824K63A01L4 BULK |
| 1.0  | A02 | 4.5 | 10.5 | 13.0 | 8 | MMK10 105K63A02L4 BULK |
| 1.2  | A02 | 4.5 | 10.5 | 13.0 | 8 | MMK10 125K63A02L4 BULK |
| 1.5  | A03 | 5.0 | 11.0 | 13.0 | 8 | MMK10 155K63A03L4 BULK |
| 1.8  | A04 | 6.0 | 12.0 | 13.0 | 8 | MMK10 185K63A04L4 BULK |
| 2.2  | A04 | 6.0 | 12.0 | 13.0 | 8 | MMK10 225K63A04L4 BULK |

## LEAD SPACING 15 MM

|      |     |     |      |      |   |                        |
|------|-----|-----|------|------|---|------------------------|
| 0.68 | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 684K63B04L4 BULK |
| 0.82 | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 824K63B04L4 BULK |
| 1.0  | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 105K63B04L4 BULK |
| 1.2  | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 125K63B04L4 BULK |
| 1.5  | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 155K63B04L4 BULK |
| 1.8  | B04 | 5.5 | 10.5 | 18.0 | 5 | MMK15 185K63B04L4 BULK |
| 2.0  | B05 | 5.5 | 12.5 | 18.0 | 5 | MMK15 205K63B05L4 BULK |
| 2.2  | B05 | 5.5 | 12.5 | 18.0 | 5 | MMK15 225K63B05L4 BULK |
| 2.7  | B10 | 6.5 | 12.5 | 18.0 | 5 | MMK15 275K63B10L4 BULK |
| 3.3  | B10 | 6.5 | 12.5 | 18.0 | 5 | MMK15 335K63B10L4 BULK |
| 3.9  | B06 | 7.5 | 14.5 | 18.0 | 5 | MMK15 395K63B06L4 BULK |
| 4.7  | B06 | 7.5 | 14.5 | 18.0 | 5 | MMK15 475K63B06L4 BULK |
| 5.6  | B11 | 8.5 | 16.0 | 18.0 | 5 | MMK15 565K63B11L4 BULK |
| 6.8  | B14 | 9.5 | 17.5 | 18.0 | 5 | MMK15 685K63B14L4 BULK |

## LEAD SPACING 22.5 MM

|     |     |      |      |      |   |                          |
|-----|-----|------|------|------|---|--------------------------|
| 3.3 | D13 | 6.5  | 14.5 | 26.0 | 3 | MMK22.5 335K63D13L4 TRAY |
| 3.9 | D13 | 6.5  | 14.5 | 26.0 | 3 | MMK22.5 395K63D13L4 TRAY |
| 4.7 | D13 | 6.5  | 14.5 | 26.0 | 3 | MMK22.5 475K63D13L4 TRAY |
| 5.6 | D17 | 7.0  | 16.5 | 26.0 | 3 | MMK22.5 565K63D17L4 TRAY |
| 6.8 | D17 | 7.0  | 16.5 | 26.0 | 3 | MMK22.5 685K63D17L4 TRAY |
| 8.2 | D14 | 8.0  | 16.0 | 26.0 | 3 | MMK22.5 825K63D14L4 TRAY |
| 10  | D15 | 9.0  | 18.5 | 26.0 | 3 | MMK22.5 106K63D15L4 TRAY |
| 12  | D18 | 10.5 | 19.0 | 26.0 | 3 | MMK22.5 126K63D18L4 TRAY |
| 15  | D16 | 11.0 | 21.5 | 26.0 | 3 | MMK22.5 156K63D16L4 TRAY |
| 18  | D20 | 13.5 | 23.0 | 26.0 | 3 | MMK22.5 186K63D20L4 TRAY |
| 22  | D19 | 15.5 | 24.5 | 26.0 | 3 | MMK22.5 226K63D19L4 TRAY |

## LEAD SPACING 27.5 MM

|     |     |      |      |      |   |                          |
|-----|-----|------|------|------|---|--------------------------|
| 8.2 | F11 | 10.5 | 20.5 | 31.5 | 2 | MMK27.5 825K63F11L4 TRAY |
| 10  | F11 | 10.5 | 20.5 | 31.5 | 2 | MMK27.5 106K63F11L4 TRAY |
| 12  | F11 | 10.5 | 20.5 | 31.5 | 2 | MMK27.5 126K63F11L4 TRAY |
| 15  | F12 | 11.5 | 22.5 | 31.5 | 2 | MMK27.5 156K63F12L4 TRAY |
| 15  | F17 | 21.0 | 12.5 | 31.5 | 2 | MMK27.5 156K63F17L4 TRAY |
| 18  | F12 | 11.5 | 22.5 | 31.5 | 2 | MMK27.5 186K63F12L4 TRAY |
| 22  | F13 | 14.5 | 24.5 | 31.5 | 2 | MMK27.5 226K63F13L4 TRAY |
| 27  | F14 | 17.5 | 28.0 | 31.5 | 2 | MMK27.5 276K63F14L4 TRAY |
| 33  | F14 | 17.5 | 28.0 | 31.5 | 2 | MMK27.5 336K63F14L4 TRAY |
| 33  | F19 | 27.5 | 16.0 | 31.5 | 2 | MMK27.5 336K63F19L4 TRAY |
| 39  | F15 | 19.0 | 29.0 | 31.5 | 2 | MMK27.5 396K63F15L4 TRAY |
| 47  | F16 | 21.0 | 30.0 | 31.5 | 2 | MMK27.5 476K63F16L4 TRAY |
| 47  | F18 | 31.0 | 19.0 | 31.5 | 2 | MMK27.5 476K63F18L4 TRAY |

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 63 VDC/40 VAC

## LEAD SPACING 37.5 MM

|    |     |      |      |      |   |                          |
|----|-----|------|------|------|---|--------------------------|
| 27 | R05 | 13.0 | 24.0 | 41.0 | 1 | MMK37.5 276K63R05L4 TRAY |
| 33 | R04 | 15.0 | 26.0 | 41.0 | 1 | MMK37.5 336K63R04L4 TRAY |
| 39 | R04 | 15.0 | 26.0 | 41.0 | 1 | MMK37.5 396K63R04L4 TRAY |
| 47 | R02 | 16.5 | 32.0 | 41.0 | 1 | MMK37.5 476K63R02L4 TRAY |
| 56 | R03 | 19.0 | 36.0 | 41.0 | 1 | MMK37.5 566K63R03L4 TRAY |
| 68 | R03 | 19.0 | 36.0 | 41.0 | 1 | MMK37.5 686K63R03L4 TRAY |
| 82 | R06 | 21.0 | 38.0 | 41.0 | 1 | MMK37.5 826K63R06L4 TRAY |

## 100 VDC/63 VAC

## LEAD SPACING 5 MM

|        |     |     |      |     |    |                        |
|--------|-----|-----|------|-----|----|------------------------|
| 0.0010 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 102K100J01L4 BULK |
| 0.0012 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 122K100J01L4 BULK |
| 0.0015 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 152K100J01L4 BULK |
| 0.0018 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 182K100J01L4 BULK |
| 0.0022 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 222K100J01L4 BULK |
| 0.0027 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 272K100J01L4 BULK |
| 0.0033 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 332K100J01L4 BULK |
| 0.0039 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 392K100J01L4 BULK |
| 0.0047 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 472K100J01L4 BULK |
| 0.0056 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 562K100J01L4 BULK |
| 0.0068 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 682K100J01L4 BULK |
| 0.0082 | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 822K100J01L4 BULK |
| 0.010  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 103K100J01L4 BULK |
| 0.012  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 123K100J01L4 BULK |
| 0.015  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 153K100J01L4 BULK |
| 0.018  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 183K100J01L4 BULK |
| 0.022  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 223K100J01L4 BULK |
| 0.027  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 273K100J01L4 BULK |
| 0.033  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 333K100J01L4 BULK |
| 0.039  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 393K100J01L4 BULK |
| 0.047  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 473K100J01L4 BULK |
| 0.056  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 563K100J01L4 BULK |
| 0.068  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 683K100J01L4 BULK |
| 0.082  | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 823K100J01L4 BULK |
| 0.10   | J01 | 2.5 | 6.5  | 7.2 | 30 | MMK5 104K100J01L4 BULK |
| 0.12   | J02 | 3.5 | 8.0  | 7.2 | 30 | MMK5 124K100J02L4 BULK |
| 0.15   | J02 | 3.5 | 8.0  | 7.2 | 30 | MMK5 154K100J02L4 BULK |
| 0.18   | J02 | 3.5 | 8.0  | 7.2 | 30 | MMK5 184K100J02L4 BULK |
| 0.22   | J02 | 3.5 | 8.0  | 7.2 | 30 | MMK5 224K100J02L4 BULK |
| 0.27   | J03 | 4.5 | 9.0  | 7.2 | 30 | MMK5 274K100J03L4 BULK |
| 0.33   | J03 | 4.5 | 9.0  | 7.2 | 30 | MMK5 334K100J03L4 BULK |
| 0.39   | J04 | 5.0 | 10.0 | 7.2 | 30 | MMK5 394K100J04L4 BULK |
| 0.47   | J04 | 5.0 | 10.0 | 7.2 | 30 | MMK5 474K100J04L4 BULK |
| 0.56   | J05 | 6.0 | 11.0 | 7.2 | 30 | MMK5 564K100J05L4 BULK |
| 0.68   | J05 | 6.0 | 11.0 | 7.2 | 30 | MMK5 684K100J05L4 BULK |
| 0.82   | J06 | 7.2 | 13.0 | 7.2 | 30 | MMK5 824K100J06L4 BULK |
| 1.0    | J06 | 7.2 | 13.0 | 7.2 | 30 | MMK5 105K100J06L4 BULK |

## LEAD SPACING 7.5 MM

|        |     |     |     |      |    |                          |
|--------|-----|-----|-----|------|----|--------------------------|
| 0.0010 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 102K100K00L4 BULK |
| 0.0012 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 122K100K00L4 BULK |
| 0.0015 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 152K100K00L4 BULK |
| 0.0018 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 182K100K00L4 BULK |
| 0.0022 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 222K100K00L4 BULK |
| 0.0027 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 272K100K00L4 BULK |
| 0.0033 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 332K100K00L4 BULK |
| 0.0039 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 392K100K00L4 BULK |
| 0.0047 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 472K100K00L4 BULK |
| 0.0056 | K00 | 2.5 | 6.0 | 10.0 | 20 | MMK7.5 562K100K00L4 BULK |

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 100 VDC/63 VAC

## LEAD SPACING 7.5 MM

|        |     |     |      |      |    |                          |
|--------|-----|-----|------|------|----|--------------------------|
| 0.0068 | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 682K100K00L4 BULK |
| 0.0082 | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 822K100K00L4 BULK |
| 0.010  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 103K100K00L4 BULK |
| 0.012  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 123K100K00L4 BULK |
| 0.015  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 153K100K00L4 BULK |
| 0.018  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 183K100K00L4 BULK |
| 0.022  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 223K100K00L4 BULK |
| 0.027  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 273K100K00L4 BULK |
| 0.033  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 333K100K00L4 BULK |
| 0.039  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 393K100K00L4 BULK |
| 0.047  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 473K100K00L4 BULK |
| 0.056  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 563K100K00L4 BULK |
| 0.068  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 683K100K00L4 BULK |
| 0.082  | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 823K100K00L4 BULK |
| 0.10   | K00 | 2.5 | 6.0  | 10.0 | 20 | MMK7.5 104K100K00L4 BULK |
| 0.12   | K01 | 4.0 | 8.0  | 10.0 | 20 | MMK7.5 124K100K01L4 BULK |
| 0.15   | K01 | 4.0 | 8.0  | 10.0 | 20 | MMK7.5 154K100K01L4 BULK |
| 0.18   | K01 | 4.0 | 8.0  | 10.0 | 20 | MMK7.5 184K100K01L4 BULK |
| 0.22   | K01 | 4.0 | 8.0  | 10.0 | 20 | MMK7.5 224K100K01L4 BULK |
| 0.27   | K01 | 4.0 | 8.0  | 10.0 | 20 | MMK7.5 274K100K01L4 BULK |
| 0.33   | K03 | 5.0 | 11.0 | 10.0 | 20 | MMK7.5 334K100K03L4 BULK |
| 0.39   | K03 | 5.0 | 11.0 | 10.0 | 20 | MMK7.5 394K100K03L4 BULK |
| 0.47   | K03 | 5.0 | 11.0 | 10.0 | 20 | MMK7.5 474K100K03L4 BULK |
| 0.56   | K03 | 5.0 | 11.0 | 10.0 | 20 | MMK7.5 564K100K03L4 BULK |
| 0.68   | K03 | 5.0 | 11.0 | 10.0 | 20 | MMK7.5 684K100K03L4 BULK |
| 0.82   | K04 | 6.0 | 12.0 | 10.5 | 20 | MMK7.5 824K100K04L4 BULK |
| 1.0    | K04 | 6.0 | 12.0 | 10.5 | 20 | MMK7.5 105K100K04L4 BULK |

## LEAD SPACING 10 MM

|        |     |     |     |      |    |                         |
|--------|-----|-----|-----|------|----|-------------------------|
| 0.0010 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 102K100A01L4 BULK |
| 0.0012 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 122K100A01L4 BULK |
| 0.0015 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 152K100A01L4 BULK |
| 0.0018 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 182K100A01L4 BULK |
| 0.0022 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 222K100A01L4 BULK |
| 0.0027 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 272K100A01L4 BULK |
| 0.0033 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 332K100A01L4 BULK |
| 0.0039 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 392K100A01L4 BULK |
| 0.0047 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 472K100A01L4 BULK |
| 0.0056 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 562K100A01L4 BULK |
| 0.0068 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 682K100A01L4 BULK |
| 0.0078 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 782K100A01L4 BULK |
| 0.0082 | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 822K100A01L4 BULK |
| 0.010  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 103K100A01L4 BULK |
| 0.012  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 123K100A01L4 BULK |
| 0.015  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 153K100A01L4 BULK |
| 0.018  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 183K100A01L4 BULK |
| 0.022  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 223K100A01L4 BULK |
| 0.027  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 273K100A01L4 BULK |
| 0.033  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 333K100A01L4 BULK |
| 0.039  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 393K100A01L4 BULK |
| 0.047  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 473K100A01L4 BULK |
| 0.056  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 563K100A01L4 BULK |
| 0.068  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 683K100A01L4 BULK |
| 0.082  | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 823K100A01L4 BULK |
| 0.10   | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 104K100A01L4 BULK |
| 0.12   | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 124K100A01L4 BULK |
| 0.15   | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 154K100A01L4 BULK |
| 0.18   | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 184K100A01L4 BULK |
| 0.22   | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 224K100A01L4 BULK |
| 0.27   | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 274K100A01L4 BULK |
| 0.33   | A01 | 4.0 | 9.0 | 13.0 | 12 | MMK10 334K100A01L4 BULK |

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 100 VDC/63 VAC

## LEAD SPACING 10 MM

|      |     |     |      |      |    |                         |
|------|-----|-----|------|------|----|-------------------------|
| 0.39 | A01 | 4.0 | 9.0  | 13.0 | 12 | MMK10 394K100A01L4 BULK |
| 0.47 | A01 | 4.0 | 9.0  | 13.0 | 12 | MMK10 474K100A01L4 BULK |
| 0.56 | A02 | 4.5 | 10.5 | 13.0 | 12 | MMK10 564K100A02L4 BULK |
| 0.68 | A02 | 4.5 | 10.5 | 13.0 | 12 | MMK10 684K100A02L4 BULK |
| 0.82 | A02 | 4.5 | 10.5 | 13.0 | 12 | MMK10 824K100A02L4 BULK |
| 1.0  | A04 | 6.0 | 12.0 | 13.0 | 12 | MMK10 105K100A04L4 BULK |

## LEAD SPACING 15 MM

|      |     |     |      |      |   |                         |
|------|-----|-----|------|------|---|-------------------------|
| 0.27 | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 274K100B04L4 BULK |
| 0.33 | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 334K100B04L4 BULK |
| 0.39 | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 394K100B04L4 BULK |
| 0.47 | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 474K100B04L4 BULK |
| 0.56 | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 564K100B04L4 BULK |
| 0.68 | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 684K100B04L4 BULK |
| 0.82 | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 824K100B04L4 BULK |
| 1.0  | B04 | 5.5 | 10.5 | 18.0 | 8 | MMK15 105K100B04L4 BULK |
| 1.2  | B05 | 5.5 | 12.5 | 18.0 | 8 | MMK15 125K100B05L4 BULK |
| 1.5  | B10 | 6.5 | 12.5 | 18.0 | 8 | MMK15 155K100B10L4 BULK |
| 1.8  | B06 | 7.5 | 14.5 | 18.0 | 8 | MMK15 185K100B06L4 BULK |
| 2.2  | B06 | 7.5 | 14.5 | 18.0 | 8 | MMK15 225K100B06L4 BULK |
| 2.7  | B12 | 8.0 | 15.0 | 18.0 | 8 | MMK15 275K100B12L4 BULK |
| 3.3  | B11 | 8.5 | 16.0 | 18.0 | 8 | MMK15 335K100B11L4 BULK |
| 3.9  | B14 | 9.5 | 17.5 | 18.0 | 8 | MMK15 395K100B14L4 BULK |

## LEAD SPACING 22.5 MM

|      |     |      |      |      |   |                           |
|------|-----|------|------|------|---|---------------------------|
| 1.2  | D13 | 6.5  | 14.5 | 26.0 | 5 | MMK22.5 125K100D13L4 TRAY |
| 1.5  | D13 | 6.5  | 14.5 | 26.0 | 5 | MMK22.5 155K100D13L4 TRAY |
| 1.8  | D13 | 6.5  | 14.5 | 26.0 | 5 | MMK22.5 185K100D13L4 TRAY |
| 2.0  | D13 | 6.5  | 14.5 | 26.0 | 5 | MMK22.5 205K100D13L4 TRAY |
| 2.2  | D13 | 6.5  | 14.5 | 26.0 | 5 | MMK22.5 225K100D13L4 TRAY |
| 2.7  | D13 | 6.5  | 14.5 | 26.0 | 5 | MMK22.5 275K100D13L4 TRAY |
| 3.3  | D17 | 7.0  | 16.5 | 26.0 | 5 | MMK22.5 335K100D17L4 TRAY |
| 3.9  | D14 | 8.0  | 16.0 | 26.0 | 5 | MMK22.5 395K100D14L4 TRAY |
| 4.7  | D15 | 9.0  | 18.5 | 26.0 | 5 | MMK22.5 475K100D15L4 TRAY |
| 5.6  | D15 | 9.0  | 18.5 | 26.0 | 5 | MMK22.5 565K100D15L4 TRAY |
| 6.8  | D18 | 10.5 | 19.0 | 26.0 | 5 | MMK22.5 685K100D18L4 TRAY |
| 8.2  | D16 | 11.0 | 21.5 | 26.0 | 5 | MMK22.5 825K100D16L4 TRAY |
| 10.0 | D20 | 13.5 | 23.0 | 26.0 | 5 | MMK22.5 106K100D20L4 TRAY |
| 12.0 | D19 | 15.5 | 24.5 | 26.0 | 5 | MMK22.5 126K100D19L4 TRAY |
| 15.0 | D19 | 15.5 | 24.5 | 26.0 | 5 | MMK22.5 156K100D19L4 TRAY |

## LEAD SPACING 27.5 MM

|     |     |      |      |      |   |                           |
|-----|-----|------|------|------|---|---------------------------|
| 3.9 | F11 | 10.5 | 20.5 | 31.5 | 3 | MMK27.5 395K100F11L4 TRAY |
| 4.7 | F11 | 10.5 | 20.5 | 31.5 | 3 | MMK27.5 475K100F11L4 TRAY |
| 5.6 | F11 | 10.5 | 20.5 | 31.5 | 3 | MMK27.5 565K100F11L4 TRAY |
| 6.8 | F11 | 10.5 | 20.5 | 31.5 | 3 | MMK27.5 685K100F11L4 TRAY |
| 8.2 | F11 | 10.5 | 20.5 | 31.5 | 3 | MMK27.5 825K100F11L4 TRAY |
| 10  | F12 | 11.5 | 22.5 | 31.5 | 3 | MMK27.5 106K100F12L4 TRAY |
| 10  | F17 | 21.0 | 12.5 | 31.5 | 3 | MMK27.5 106K100F17L4 TRAY |
| 12  | F12 | 11.5 | 22.5 | 31.5 | 3 | MMK27.5 126K100F12L4 TRAY |
| 15  | F13 | 14.5 | 24.5 | 31.5 | 3 | MMK27.5 156K100F13L4 TRAY |
| 18  | F14 | 17.5 | 28.0 | 31.5 | 3 | MMK27.5 186K100F14L4 TRAY |
| 22  | F14 | 17.5 | 28.0 | 31.5 | 3 | MMK27.5 226K100F14L4 TRAY |
| 22  | F19 | 27.5 | 16.0 | 31.5 | 3 | MMK27.5 226K100F19L4 TRAY |
| 27  | F15 | 19.0 | 29.0 | 31.5 | 3 | MMK27.5 276K100F15L4 TRAY |
| 27  | F18 | 31.0 | 19.0 | 31.5 | 3 | MMK27.5 276K100F18L4 TRAY |
| 33  | F16 | 21.0 | 30.0 | 31.5 | 3 | MMK27.5 336K100F16L4 TRAY |

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 100 VDC/63 VAC

## LEAD SPACING 37.5 MM

|     |     |      |      |      |   |                           |
|-----|-----|------|------|------|---|---------------------------|
| 12  | R05 | 13.0 | 24.0 | 41.0 | 2 | MMK37.5 126K100R05L4 TRAY |
| 15  | R05 | 13.0 | 24.0 | 41.0 | 2 | MMK37.5 156K100R05L4 TRAY |
| 18  | R05 | 13.0 | 24.0 | 41.0 | 2 | MMK37.5 186K100R05L4 TRAY |
| 22  | R04 | 15.0 | 26.0 | 41.0 | 2 | MMK37.5 226K100R04L4 TRAY |
| 27  | R04 | 15.0 | 26.0 | 41.0 | 2 | MMK37.5 276K100R04L4 TRAY |
| 33  | R02 | 16.5 | 32.0 | 41.0 | 2 | MMK37.5 336K100R02L4 TRAY |
| 39  | R03 | 19.0 | 36.0 | 41.0 | 2 | MMK37.5 396K100R03L4 TRAY |
| 47  | R03 | 19.0 | 36.0 | 41.0 | 2 | MMK37.5 476K100R03L4 TRAY |
| 56  | R06 | 21.0 | 38.0 | 41.0 | 2 | MMK37.5 566K100R06L4 TRAY |
| 68  | R08 | 28.0 | 43.0 | 41.0 | 2 | MMK37.5 686K100R08L4 TRAY |
| 82  | R08 | 28.0 | 43.0 | 41.0 | 2 | MMK37.5 826K100R08L4 TRAY |
| 100 | R08 | 28.0 | 43.0 | 41.0 | 2 | MMK37.5 107K100R08L4 TRAY |

## 250 VDC/160 VAC

## LEAD SPACING 5 MM

|        |     |     |      |     |    |                        |
|--------|-----|-----|------|-----|----|------------------------|
| 0.0010 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 102K250J01L4 BULK |
| 0.0012 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 122K250J01L4 BULK |
| 0.0015 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 152K250J01L4 BULK |
| 0.0018 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 182K250J01L4 BULK |
| 0.0022 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 222K250J01L4 BULK |
| 0.0027 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 272K250J01L4 BULK |
| 0.0033 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 332K250J01L4 BULK |
| 0.0039 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 392K250J01L4 BULK |
| 0.0047 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 472K250J01L4 BULK |
| 0.0056 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 562K250J01L4 BULK |
| 0.0068 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 682K250J01L4 BULK |
| 0.0082 | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 822K250J01L4 BULK |
| 0.010  | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 103K250J01L4 BULK |
| 0.012  | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 123K250J01L4 BULK |
| 0.015  | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 153K250J01L4 BULK |
| 0.018  | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 183K250J01L4 BULK |
| 0.022  | J01 | 2.5 | 6.5  | 7.2 | 40 | MMK5 223K250J01L4 BULK |
| 0.027  | J02 | 3.5 | 8.0  | 7.2 | 40 | MMK5 273K250J02L4 BULK |
| 0.033  | J02 | 3.5 | 8.0  | 7.2 | 40 | MMK5 333K250J02L4 BULK |
| 0.039  | J02 | 3.5 | 8.0  | 7.2 | 40 | MMK5 393K250J02L4 BULK |
| 0.047  | J02 | 3.5 | 8.0  | 7.2 | 40 | MMK5 473K250J02L4 BULK |
| 0.056  | J02 | 3.5 | 8.0  | 7.2 | 40 | MMK5 563K250J02L4 BULK |
| 0.068  | J02 | 3.5 | 8.0  | 7.2 | 40 | MMK5 683K250J02L4 BULK |
| 0.082  | J03 | 4.5 | 9.0  | 7.2 | 40 | MMK5 823K250J03L4 BULK |
| 0.10   | J03 | 4.5 | 9.0  | 7.2 | 40 | MMK5 104K250J03L4 BULK |
| 0.12   | J04 | 5.0 | 10.0 | 7.2 | 40 | MMK5 124K250J04L4 BULK |
| 0.15   | J04 | 5.0 | 10.0 | 7.2 | 40 | MMK5 154K250J04L4 BULK |
| 0.18   | J05 | 6.0 | 11.0 | 7.2 | 40 | MMK5 184K250J05L4 BULK |
| 0.22   | J05 | 6.0 | 11.0 | 7.2 | 40 | MMK5 224K250J05L4 BULK |

## LEAD SPACING 7.5 MM

|        |     |     |     |      |    |                          |
|--------|-----|-----|-----|------|----|--------------------------|
| 0.0010 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 102K250K00L4 BULK |
| 0.0012 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 122K250K00L4 BULK |
| 0.0015 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 152K250K00L4 BULK |
| 0.0018 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 182K250K00L4 BULK |
| 0.0022 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 222K250K00L4 BULK |
| 0.0027 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 272K250K00L4 BULK |
| 0.0033 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 332K250K00L4 BULK |
| 0.0039 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 392K250K00L4 BULK |
| 0.0047 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 472K250K00L4 BULK |
| 0.0056 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 562K250K00L4 BULK |
| 0.0068 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 682K250K00L4 BULK |
| 0.0082 | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 822K250K00L4 BULK |
| 0.010  | K00 | 2.5 | 6.0 | 10.0 | 30 | MMK7.5 103K250K00L4 BULK |

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 250 VDC/160 VAC

## LEAD SPACING 7.5 MM

|       |     |     |      |      |    |                          |
|-------|-----|-----|------|------|----|--------------------------|
| 0.012 | K00 | 2.5 | 6.0  | 10.0 | 30 | MMK7.5 123K250K00L4 BULK |
| 0.015 | K00 | 2.5 | 6.0  | 10.0 | 30 | MMK7.5 153K250K00L4 BULK |
| 0.018 | K00 | 2.5 | 6.0  | 10.0 | 30 | MMK7.5 183K250K00L4 BULK |
| 0.022 | K00 | 2.5 | 6.0  | 10.0 | 30 | MMK7.5 223K250K00L4 BULK |
| 0.027 | K00 | 2.5 | 6.0  | 10.0 | 30 | MMK7.5 273K250K00L4 BULK |
| 0.033 | K00 | 2.5 | 6.0  | 10.0 | 30 | MMK7.5 333K250K00L4 BULK |
| 0.039 | K01 | 4.0 | 8.0  | 10.0 | 30 | MMK7.5 393K250K01L4 BULK |
| 0.047 | K01 | 4.0 | 8.0  | 10.0 | 30 | MMK7.5 473K250K01L4 BULK |
| 0.056 | K01 | 4.0 | 8.0  | 10.0 | 30 | MMK7.5 563K250K01L4 BULK |
| 0.068 | K01 | 4.0 | 8.0  | 10.0 | 30 | MMK7.5 683K250K01L4 BULK |
| 0.082 | K01 | 4.0 | 8.0  | 10.0 | 30 | MMK7.5 823K250K01L4 BULK |
| 0.10  | K01 | 4.0 | 8.0  | 10.0 | 30 | MMK7.5 104K250K01L4 BULK |
| 0.12  | K03 | 5.0 | 11.0 | 10.0 | 30 | MMK7.5 124K250K03L4 BULK |
| 0.15  | K03 | 5.0 | 11.0 | 10.0 | 30 | MMK7.5 154K250K03L4 BULK |
| 0.18  | K03 | 5.0 | 11.0 | 10.0 | 30 | MMK7.5 184K250K03L4 BULK |
| 0.22  | K03 | 5.0 | 11.0 | 10.0 | 30 | MMK7.5 224K250K03L4 BULK |
| 0.27  | K04 | 6.0 | 12.0 | 10.5 | 30 | MMK7.5 274K250K04L4 BULK |
| 0.33  | K04 | 6.0 | 12.0 | 10.5 | 30 | MMK7.5 334K250K04L4 BULK |

## LEAD SPACING 10 MM

|        |     |     |      |      |    |                         |
|--------|-----|-----|------|------|----|-------------------------|
| 0.0010 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 102K250A01L4 BULK |
| 0.0012 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 122K250A01L4 BULK |
| 0.0015 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 152K250A01L4 BULK |
| 0.0018 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 182K250A01L4 BULK |
| 0.0022 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 222K250A01L4 BULK |
| 0.0027 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 272K250A01L4 BULK |
| 0.0033 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 332K250A01L4 BULK |
| 0.0039 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 392K250A01L4 BULK |
| 0.0047 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 472K250A01L4 BULK |
| 0.0056 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 562K250A01L4 BULK |
| 0.0068 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 682K250A01L4 BULK |
| 0.0082 | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 822K250A01L4 BULK |
| 0.010  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 103K250A01L4 BULK |
| 0.012  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 123K250A01L4 BULK |
| 0.015  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 153K250A01L4 BULK |
| 0.018  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 183K250A01L4 BULK |
| 0.022  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 223K250A01L4 BULK |
| 0.027  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 273K250A01L4 BULK |
| 0.033  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 333K250A01L4 BULK |
| 0.039  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 393K250A01L4 BULK |
| 0.047  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 473K250A01L4 BULK |
| 0.056  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 563K250A01L4 BULK |
| 0.068  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 683K250A01L4 BULK |
| 0.082  | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 823K250A01L4 BULK |
| 0.10   | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 104K250A01L4 BULK |
| 0.12   | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 124K250A01L4 BULK |
| 0.15   | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 154K250A01L4 BULK |
| 0.18   | A01 | 4.0 | 9.0  | 13.0 | 20 | MMK10 184K250A01L4 BULK |
| 0.22   | A02 | 4.5 | 10.5 | 13.0 | 20 | MMK10 224K250A02L4 BULK |
| 0.27   | A03 | 5.0 | 11.0 | 13.0 | 20 | MMK10 274K250A03L4 BULK |
| 0.33   | A04 | 6.0 | 12.0 | 13.0 | 20 | MMK10 334K250A04L4 BULK |
| 0.39   | A04 | 6.0 | 12.0 | 13.0 | 20 | MMK10 394K250A04L4 BULK |

## LEAD SPACING 15 MM

|       |     |     |      |      |    |                         |
|-------|-----|-----|------|------|----|-------------------------|
| 0.082 | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 823K250B04L4 BULK |
| 0.10  | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 104K250B04L4 BULK |
| 0.12  | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 124K250B04L4 BULK |
| 0.15  | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 154K250B04L4 BULK |
| 0.18  | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 184K250B04L4 BULK |
| 0.22  | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 224K250B04L4 BULK |
| 0.27  | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 274K250B04L4 BULK |

Updated since the latest printed catalogue

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 250 VDC/160 VA

## LEAD SPACING 15 MM

|      |     |     |      |      |    |                         |
|------|-----|-----|------|------|----|-------------------------|
| 0.33 | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 334K250B04L4 BULK |
| 0.39 | B04 | 5.5 | 10.5 | 18.0 | 12 | MMK15 394K250B04L4 BULK |
| 0.47 | B05 | 5.5 | 12.5 | 18.0 | 12 | MMK15 474K250B05L4 BULK |
| 0.56 | B10 | 6.5 | 12.5 | 18.0 | 12 | MMK15 564K250B10L4 BULK |
| 0.68 | B10 | 6.5 | 12.5 | 18.0 | 12 | MMK15 684K250B10L4 BULK |
| 0.82 | B06 | 7.5 | 14.5 | 18.0 | 12 | MMK15 824K250B06L4 BULK |
| 1.0  | B06 | 7.5 | 14.5 | 18.0 | 12 | MMK15 105K250B06L4 BULK |
| 1.2  | B12 | 8.0 | 15.0 | 18.0 | 12 | MMK15 125K250B12L4 BULK |
| 1.5  | B14 | 9.5 | 17.5 | 18.0 | 12 | MMK15 155K250B14L4 BULK |
| 1.8  | B14 | 9.5 | 17.5 | 18.0 | 12 | MMK15 185K250B14L4 BULK |

## LEAD SPACING 22.5 MM

|      |     |      |      |      |   |                           |
|------|-----|------|------|------|---|---------------------------|
| 0.47 | D13 | 6.5  | 14.5 | 26.0 | 8 | MMK22.5 474K250D13L4 TRAY |
| 0.56 | D13 | 6.5  | 14.5 | 26.0 | 8 | MMK22.5 564K250D13L4 TRAY |
| 0.68 | D13 | 6.5  | 14.5 | 26.0 | 8 | MMK22.5 684K250D13L4 TRAY |
| 0.82 | D13 | 6.5  | 14.5 | 26.0 | 8 | MMK22.5 824K250D13L4 TRAY |
| 1.0  | D13 | 6.5  | 14.5 | 26.0 | 8 | MMK22.5 105K250D13L4 TRAY |
| 1.2  | D17 | 7.0  | 16.5 | 26.0 | 8 | MMK22.5 125K250D17L4 TRAY |
| 1.5  | D14 | 8.0  | 16.0 | 26.0 | 8 | MMK22.5 155K250D14L4 TRAY |
| 1.8  | D15 | 9.0  | 18.5 | 26.0 | 8 | MMK22.5 185K250D15L4 TRAY |
| 2.0  | D15 | 9.0  | 18.5 | 26.0 | 8 | MMK22.5 205K250D15L4 TRAY |
| 2.2  | D15 | 9.0  | 18.5 | 26.0 | 8 | MMK22.5 225K250D15L4 TRAY |
| 2.7  | D18 | 10.5 | 19.0 | 26.0 | 8 | MMK22.5 275K250D18L4 TRAY |
| 3.3  | D16 | 11.0 | 21.5 | 26.0 | 8 | MMK22.5 335K250D16L4 TRAY |
| 3.9  | D20 | 13.5 | 23.0 | 26.0 | 8 | MMK22.5 395K250D20L4 TRAY |
| 4.7  | D19 | 15.5 | 24.5 | 26.0 | 8 | MMK22.5 475K250D19L4 TRAY |
| 5.6  | D19 | 15.5 | 24.5 | 26.0 | 8 | MMK22.5 565K250D19L4 TRAY |

## LEAD SPACING 27.5 MM

|     |     |      |      |      |   |                           |
|-----|-----|------|------|------|---|---------------------------|
| 1.5 | F11 | 10.5 | 20.5 | 31.5 | 5 | MMK27.5 155K250F11L4 TRAY |
| 1.8 | F11 | 10.5 | 20.5 | 31.5 | 5 | MMK27.5 185K250F11L4 TRAY |
| 2.0 | F11 | 10.5 | 20.5 | 31.5 | 5 | MMK27.5 205K250F11L4 TRAY |
| 2.2 | F11 | 10.5 | 20.5 | 31.5 | 5 | MMK27.5 225K250F11L4 TRAY |
| 2.5 | F11 | 10.5 | 20.5 | 31.5 | 5 | MMK27.5 255K250F11L4 TRAY |
| 2.7 | F11 | 10.5 | 20.5 | 31.5 | 5 | MMK27.5 275K250F11L4 TRAY |
| 3.3 | F11 | 10.5 | 20.5 | 31.5 | 5 | MMK27.5 335K250F11L4 TRAY |
| 3.3 | F17 | 21.0 | 12.5 | 31.5 | 5 | MMK27.5 335K250F17L4 TRAY |
| 3.9 | F12 | 11.5 | 22.5 | 31.5 | 5 | MMK27.5 395K250F12L4 TRAY |
| 4.7 | F03 | 13.5 | 23.0 | 31.5 | 5 | MMK27.5 475K250F03L4 TRAY |
| 5.6 | F13 | 14.5 | 24.5 | 31.5 | 5 | MMK27.5 565K250F13L4 TRAY |
| 6.8 | F14 | 17.5 | 28.0 | 31.5 | 5 | MMK27.5 685K250F14L4 TRAY |
| 8.2 | F14 | 17.5 | 28.0 | 31.5 | 5 | MMK27.5 825K250F14L4 TRAY |
| 8.2 | F19 | 27.5 | 16.0 | 31.5 | 5 | MMK27.5 825K250F19L4 TRAY |
| 10  | F16 | 21.0 | 30.0 | 31.5 | 5 | MMK27.5 106K250F16L4 TRAY |
| 10  | F18 | 31.0 | 19.0 | 31.5 | 5 | MMK27.5 106K250F18L4 TRAY |

## LEAD SPACING 37.5 MM

|     |     |      |      |      |   |                           |
|-----|-----|------|------|------|---|---------------------------|
| 4.7 | R05 | 13.0 | 24.0 | 41.0 | 3 | MMK37.5 475K250R05L4 TRAY |
| 5.6 | R05 | 13.0 | 24.0 | 41.0 | 3 | MMK37.5 565K250R05L4 TRAY |
| 6.8 | R05 | 13.0 | 24.0 | 41.0 | 3 | MMK37.5 685K250R05L4 TRAY |
| 8.2 | R04 | 15.0 | 26.0 | 41.0 | 3 | MMK37.5 825K250R04L4 TRAY |
| 10  | R04 | 15.0 | 26.0 | 41.0 | 3 | MMK37.5 106K250R04L4 TRAY |
| 12  | R02 | 16.5 | 32.0 | 41.0 | 3 | MMK37.5 126K250R02L4 TRAY |
| 15  | R02 | 16.5 | 32.0 | 41.0 | 3 | MMK37.5 156K250R02L4 TRAY |
| 18  | R03 | 19.0 | 36.0 | 41.0 | 3 | MMK37.5 186K250R03L4 TRAY |
| 22  | R06 | 21.0 | 38.0 | 41.0 | 3 | MMK37.5 226K250R06L4 TRAY |
| 27  | R08 | 28.0 | 43.0 | 41.0 | 3 | MMK37.5 276K250R08L4 TRAY |
| 33  | R08 | 28.0 | 43.0 | 41.0 | 3 | MMK37.5 336K250R08L4 TRAY |
| 39  | R08 | 28.0 | 43.0 | 41.0 | 3 | MMK37.5 396K250R08L4 TRAY |

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 400 VDC/200 VAC

## LEAD SPACING 5 MM

|        |     |     |      |     |    |                        |
|--------|-----|-----|------|-----|----|------------------------|
| 0.0010 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 102K400J01L4 BULK |
| 0.0012 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 122K400J01L4 BULK |
| 0.0015 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 152K400J01L4 BULK |
| 0.0018 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 182K400J01L4 BULK |
| 0.0022 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 222K400J01L4 BULK |
| 0.0027 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 272K400J01L4 BULK |
| 0.0033 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 332K400J01L4 BULK |
| 0.0039 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 392K400J01L4 BULK |
| 0.0047 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 472K400J01L4 BULK |
| 0.0056 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 562K400J01L4 BULK |
| 0.0068 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 682K400J01L4 BULK |
| 0.0082 | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 822K400J01L4 BULK |
| 0.010  | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 103K400J01L4 BULK |
| 0.012  | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 123K400J01L4 BULK |
| 0.015  | J01 | 2.5 | 6.5  | 7.2 | 50 | MMK5 153K400J01L4 BULK |
| 0.018  | J02 | 3.5 | 8.0  | 7.2 | 50 | MMK5 183K400J02L4 BULK |
| 0.022  | J02 | 3.5 | 8.0  | 7.2 | 50 | MMK5 223K400J02L4 BULK |
| 0.027  | J03 | 4.5 | 9.0  | 7.2 | 50 | MMK5 273K400J03L4 BULK |
| 0.033  | J03 | 4.5 | 9.0  | 7.2 | 50 | MMK5 333K400J03L4 BULK |
| 0.039  | J03 | 4.5 | 9.0  | 7.2 | 50 | MMK5 393K400J03L4 BULK |
| 0.047  | J03 | 4.5 | 9.0  | 7.2 | 50 | MMK5 473K400J03L4 BULK |
| 0.056  | J05 | 6.0 | 11.0 | 7.2 | 50 | MMK5 563K400J05L4 BULK |
| 0.068  | J05 | 6.0 | 11.0 | 7.2 | 50 | MMK5 683K400J05L4 BULK |
| 0.082  | J06 | 7.2 | 13.0 | 7.2 | 50 | MMK5 823K400J06L4 BULK |
| 0.10   | J06 | 7.2 | 13.0 | 7.2 | 50 | MMK5 104K400J06L4 BULK |
| 0.12   | J06 | 7.2 | 13.0 | 7.2 | 50 | MMK5 124K400J06L4 BULK |

## LEAD SPACING 7.5 MM

|        |     |     |      |      |    |                          |
|--------|-----|-----|------|------|----|--------------------------|
| 0.0010 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 102K400K00L4 BULK |
| 0.0012 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 122K400K00L4 BULK |
| 0.0015 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 152K400K00L4 BULK |
| 0.0018 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 182K400K00L4 BULK |
| 0.0022 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 222K400K00L4 BULK |
| 0.0027 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 272K400K00L4 BULK |
| 0.0033 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 332K400K00L4 BULK |
| 0.0039 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 392K400K00L4 BULK |
| 0.0047 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 472K400K00L4 BULK |
| 0.0056 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 562K400K00L4 BULK |
| 0.0068 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 682K400K00L4 BULK |
| 0.0082 | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 822K400K00L4 BULK |
| 0.010  | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 103K400K00L4 BULK |
| 0.012  | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 123K400K00L4 BULK |
| 0.015  | K00 | 2.5 | 6.0  | 10.0 | 40 | MMK7.5 153K400K00L4 BULK |
| 0.018  | K01 | 4.0 | 8.0  | 10.0 | 40 | MMK7.5 183K400K01L4 BULK |
| 0.022  | K01 | 4.0 | 8.0  | 10.0 | 40 | MMK7.5 223K400K01L4 BULK |
| 0.027  | K01 | 4.0 | 8.0  | 10.0 | 40 | MMK7.5 273K400K01L4 BULK |
| 0.033  | K01 | 4.0 | 8.0  | 10.0 | 40 | MMK7.5 333K400K01L4 BULK |
| 0.039  | K01 | 4.0 | 8.0  | 10.0 | 40 | MMK7.5 393K400K01L4 BULK |
| 0.047  | K03 | 5.0 | 11.0 | 10.0 | 40 | MMK7.5 473K400K03L4 BULK |
| 0.056  | K03 | 5.0 | 11.0 | 10.0 | 40 | MMK7.5 563K400K03L4 BULK |
| 0.068  | K03 | 5.0 | 11.0 | 10.0 | 40 | MMK7.5 683K400K03L4 BULK |
| 0.082  | K03 | 5.0 | 11.0 | 10.0 | 40 | MMK7.5 823K400K03L4 BULK |
| 0.10   | K03 | 5.0 | 11.0 | 10.0 | 40 | MMK7.5 104K400K03L4 BULK |
| 0.12   | K04 | 6.0 | 12.0 | 10.5 | 40 | MMK7.5 124K400K04L4 BULK |
| 0.15   | K04 | 6.0 | 12.0 | 10.5 | 40 | MMK7.5 154K400K04L4 BULK |

## LEAD SPACING 10 MM

|        |     |     |     |      |    |                         |
|--------|-----|-----|-----|------|----|-------------------------|
| 0.0010 | A01 | 4.0 | 9.0 | 13.0 | 30 | MMK10 102K400A01L4 BULK |
| 0.0012 | A01 | 4.0 | 9.0 | 13.0 | 30 | MMK10 122K400A01L4 BULK |
| 0.0015 | A01 | 4.0 | 9.0 | 13.0 | 30 | MMK10 152K400A01L4 BULK |

Updated since the latest printed catalogue

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 400 VDC/200 VAC

## 400 VDC/200 VAC

## LEAD SPACING 10 MM

## LEAD SPACING 27.5 MM

|        |     |     |      |      |    |                         |
|--------|-----|-----|------|------|----|-------------------------|
| 0.0018 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 182K400A01L4 BULK |
| 0.0022 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 222K400A01L4 BULK |
| 0.0027 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 272K400A01L4 BULK |
| 0.0033 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 332K400A01L4 BULK |
| 0.0039 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 392K400A01L4 BULK |
| 0.0047 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 472K400A01L4 BULK |
| 0.0056 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 562K400A01L4 BULK |
| 0.0068 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 682K400A01L4 BULK |
| 0.0078 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 782K400A01L4 BULK |
| 0.0082 | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 822K400A01L4 BULK |
| 0.010  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 103K400A01L4 BULK |
| 0.012  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 123K400A01L4 BULK |
| 0.015  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 153K400A01L4 BULK |
| 0.018  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 183K400A01L4 BULK |
| 0.022  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 223K400A01L4 BULK |
| 0.027  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 273K400A01L4 BULK |
| 0.033  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 333K400A01L4 BULK |
| 0.039  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 393K400A01L4 BULK |
| 0.047  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 473K400A01L4 BULK |
| 0.056  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 563K400A01L4 BULK |
| 0.068  | A01 | 4.0 | 9.0  | 13.0 | 30 | MMK10 683K400A01L4 BULK |
| 0.082  | A02 | 4.5 | 10.5 | 13.0 | 30 | MMK10 823K400A02L4 BULK |
| 0.10   | A03 | 5.0 | 11.0 | 13.0 | 30 | MMK10 104K400A03L4 BULK |
| 0.12   | A03 | 5.0 | 11.0 | 13.0 | 30 | MMK10 124K400A03L4 BULK |
| 0.15   | A04 | 6.0 | 12.0 | 13.0 | 30 | MMK10 154K400A04L4 BULK |

## LEAD SPACING 15 MM

|       |     |     |      |      |    |                         |
|-------|-----|-----|------|------|----|-------------------------|
| 0.047 | B04 | 5.5 | 10.5 | 18.0 | 20 | MMK15 473K400B04L4 BULK |
| 0.056 | B04 | 5.5 | 10.5 | 18.0 | 20 | MMK15 563K400B04L4 BULK |
| 0.068 | B04 | 5.5 | 10.5 | 18.0 | 20 | MMK15 683K400B04L4 BULK |
| 0.082 | B04 | 5.5 | 10.5 | 18.0 | 20 | MMK15 823K400B04L4 BULK |
| 0.10  | B04 | 5.5 | 10.5 | 18.0 | 20 | MMK15 104K400B04L4 BULK |
| 0.12  | B04 | 5.5 | 10.5 | 18.0 | 20 | MMK15 124K400B04L4 BULK |
| 0.15  | B04 | 5.5 | 10.5 | 18.0 | 20 | MMK15 154K400B04L4 BULK |
| 0.18  | B05 | 5.5 | 12.5 | 18.0 | 20 | MMK15 184K400B05L4 BULK |
| 0.22  | B05 | 5.5 | 12.5 | 18.0 | 20 | MMK15 224K400B05L4 BULK |
| 0.27  | B10 | 6.5 | 12.5 | 18.0 | 20 | MMK15 274K400B10L4 BULK |
| 0.33  | B06 | 7.5 | 14.5 | 18.0 | 20 | MMK15 334K400B06L4 BULK |
| 0.39  | B06 | 7.5 | 14.5 | 18.0 | 20 | MMK15 394K400B06L4 BULK |
| 0.47  | B11 | 8.5 | 16.0 | 18.0 | 20 | MMK15 474K400B11L4 BULK |
| 0.56  | B11 | 8.5 | 16.0 | 18.0 | 20 | MMK15 564K400B11L4 BULK |
| 0.68  | B14 | 9.5 | 17.5 | 18.0 | 20 | MMK15 684K400B14L4 BULK |

## LEAD SPACING 22.5 MM

|      |     |      |      |      |    |                           |
|------|-----|------|------|------|----|---------------------------|
| 0.18 | D13 | 6.5  | 14.5 | 26.0 | 10 | MMK22.5 184K400D13L4 TRAY |
| 0.22 | D13 | 6.5  | 14.5 | 26.0 | 10 | MMK22.5 224K400D13L4 TRAY |
| 0.27 | D13 | 6.5  | 14.5 | 26.0 | 10 | MMK22.5 274K400D13L4 TRAY |
| 0.33 | D13 | 6.5  | 14.5 | 26.0 | 10 | MMK22.5 334K400D13L4 TRAY |
| 0.39 | D13 | 6.5  | 14.5 | 26.0 | 10 | MMK22.5 394K400D13L4 TRAY |
| 0.47 | D13 | 6.5  | 14.5 | 26.0 | 10 | MMK22.5 474K400D13L4 TRAY |
| 0.56 | D17 | 7.0  | 16.5 | 26.0 | 10 | MMK22.5 564K400D17L4 TRAY |
| 0.68 | D14 | 8.0  | 16.0 | 26.0 | 10 | MMK22.5 684K400D14L4 TRAY |
| 0.82 | D15 | 9.0  | 18.5 | 26.0 | 10 | MMK22.5 824K400D15L4 TRAY |
| 1.0  | D15 | 9.0  | 18.5 | 26.0 | 10 | MMK22.5 105K400D15L4 TRAY |
| 1.2  | D18 | 10.5 | 19.0 | 26.0 | 10 | MMK22.5 125K400D18L4 TRAY |
| 1.5  | D16 | 11.0 | 21.5 | 26.0 | 10 | MMK22.5 155K400D16L4 TRAY |
| 1.8  | D20 | 13.5 | 23.0 | 26.0 | 10 | MMK22.5 185K400D20L4 TRAY |
| 2.2  | D19 | 15.5 | 24.5 | 26.0 | 10 | MMK22.5 225K400D19L4 TRAY |
| 2.7  | D19 | 15.5 | 24.5 | 26.0 | 10 | MMK22.5 275K400D19L4 TRAY |

|      |     |      |      |      |   |                           |
|------|-----|------|------|------|---|---------------------------|
| 0.68 | F11 | 10.5 | 20.5 | 31.5 | 8 | MMK27.5 684K400F11L4 TRAY |
| 0.82 | F11 | 10.5 | 20.5 | 31.5 | 8 | MMK27.5 824K400F11L4 TRAY |
| 1.0  | F11 | 10.5 | 20.5 | 31.5 | 8 | MMK27.5 105K400F11L4 TRAY |
| 1.2  | F11 | 10.5 | 20.5 | 31.5 | 8 | MMK27.5 125K400F11L4 TRAY |
| 1.5  | F11 | 10.5 | 20.5 | 31.5 | 8 | MMK27.5 155K400F11L4 TRAY |
| 1.8  | F11 | 10.5 | 20.5 | 31.5 | 8 | MMK27.5 185K400F11L4 TRAY |
| 1.8  | F17 | 21.0 | 12.5 | 31.5 | 8 | MMK27.5 185K400F17L4 TRAY |
| 2.2  | F12 | 11.5 | 22.5 | 31.5 | 8 | MMK27.5 225K400F12L4 TRAY |
| 2.7  | F03 | 13.5 | 23.0 | 31.5 | 8 | MMK27.5 275K400F03L4 TRAY |
| 3.3  | F14 | 17.5 | 28.0 | 31.5 | 8 | MMK27.5 335K400F14L4 TRAY |
| 3.9  | F14 | 17.5 | 28.0 | 31.5 | 8 | MMK27.5 395K400F14L4 TRAY |
| 3.9  | F19 | 27.5 | 16.0 | 31.5 | 8 | MMK27.5 395K400F19L4 TRAY |
| 4.7  | F15 | 19.0 | 29.0 | 31.5 | 8 | MMK27.5 475K400F15L4 TRAY |
| 5.6  | F16 | 21.0 | 30.0 | 31.5 | 8 | MMK27.5 565K400F16L4 TRAY |
| 5.6  | F18 | 31.0 | 19.0 | 31.5 | 8 | MMK27.5 565K400F18L4 TRAY |

## LEAD SPACING 37.5 MM

|     |     |      |      |      |   |                           |
|-----|-----|------|------|------|---|---------------------------|
| 1.8 | R05 | 13.0 | 24.0 | 41.0 | 5 | MMK37.5 185K400R05L4 TRAY |
| 2.2 | R05 | 13.0 | 24.0 | 41.0 | 5 | MMK37.5 225K400R05L4 TRAY |
| 2.7 | R05 | 13.0 | 24.0 | 41.0 | 5 | MMK37.5 275K400R05L4 TRAY |
| 3.3 | R05 | 13.0 | 24.0 | 41.0 | 5 | MMK37.5 335K400R05L4 TRAY |
| 3.9 | R04 | 15.0 | 26.0 | 41.0 | 5 | MMK37.5 395K400R04L4 TRAY |
| 4.7 | R04 | 15.0 | 26.0 | 41.0 | 5 | MMK37.5 475K400R04L4 TRAY |
| 5.6 | R02 | 16.5 | 32.0 | 41.0 | 5 | MMK37.5 565K400R02L4 TRAY |
| 6.8 | R03 | 19.0 | 36.0 | 41.0 | 5 | MMK37.5 685K400R03L4 TRAY |
| 8.2 | R03 | 19.0 | 36.0 | 41.0 | 5 | MMK37.5 825K400R03L4 TRAY |
| 10  | R06 | 21.0 | 38.0 | 41.0 | 5 | MMK37.5 106K400R06L4 TRAY |
| 12  | R08 | 28.0 | 43.0 | 41.0 | 5 | MMK37.5 126K400R08L4 TRAY |
| 15  | R08 | 28.0 | 43.0 | 41.0 | 5 | MMK37.5 156K400R08L4 TRAY |
| 18  | R08 | 28.0 | 43.0 | 41.0 | 5 | MMK37.5 186K400R08L4 TRAY |

## 630 VDC/220 VAC

## LEAD SPACING 5 MM

|        |     |     |      |     |    |                        |
|--------|-----|-----|------|-----|----|------------------------|
| 0.0010 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 102K630J01L4 BULK |
| 0.0012 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 122K630J01L4 BULK |
| 0.0015 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 152K630J01L4 BULK |
| 0.0018 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 182K630J01L4 BULK |
| 0.0022 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 222K630J01L4 BULK |
| 0.0027 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 272K630J01L4 BULK |
| 0.0033 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 332K630J01L4 BULK |
| 0.0039 | J01 | 2.5 | 6.5  | 7.2 | 80 | MMK5 392K630J01L4 BULK |
| 0.0047 | J02 | 3.5 | 8.0  | 7.2 | 80 | MMK5 472K630J02L4 BULK |
| 0.0056 | J02 | 3.5 | 8.0  | 7.2 | 80 | MMK5 562K630J02L4 BULK |
| 0.0068 | J02 | 3.5 | 8.0  | 7.2 | 80 | MMK5 682K630J02L4 BULK |
| 0.0082 | J02 | 3.5 | 8.0  | 7.2 | 80 | MMK5 822K630J02L4 BULK |
| 0.010  | J02 | 3.5 | 8.0  | 7.2 | 80 | MMK5 103K630J02L4 BULK |
| 0.012  | J03 | 4.5 | 9.0  | 7.2 | 80 | MMK5 123K630J03L4 BULK |
| 0.015  | J03 | 4.5 | 9.0  | 7.2 | 80 | MMK5 153K630J03L4 BULK |
| 0.018  | J03 | 4.5 | 9.0  | 7.2 | 80 | MMK5 183K630J03L4 BULK |
| 0.022  | J04 | 5.0 | 10.0 | 7.2 | 80 | MMK5 223K630J04L4 BULK |
| 0.027  | J05 | 6.0 | 11.0 | 7.2 | 80 | MMK5 273K630J05L4 BULK |
| 0.033  | J05 | 6.0 | 11.0 | 7.2 | 80 | MMK5 333K630J05L4 BULK |
| 0.039  | J06 | 7.2 | 13.0 | 7.2 | 80 | MMK5 393K630J06L4 BULK |
| 0.047  | J06 | 7.2 | 13.0 | 7.2 | 80 | MMK5 473K630J06L4 BULK |

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 630 VDC/220 VAC

## LEAD SPACING 7.5 MM

|        |     |     |      |      |    |                          |
|--------|-----|-----|------|------|----|--------------------------|
| 0.0010 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 102K630K00L4 BULK |
| 0.0012 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 122K630K00L4 BULK |
| 0.0015 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 152K630K00L4 BULK |
| 0.0018 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 182K630K00L4 BULK |
| 0.0022 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 222K630K00L4 BULK |
| 0.0027 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 272K630K00L4 BULK |
| 0.0033 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 332K630K00L4 BULK |
| 0.0039 | K00 | 2.5 | 6.0  | 10.0 | 60 | MMK7.5 392K630K00L4 BULK |
| 0.0047 | K01 | 4.0 | 8.0  | 10.0 | 60 | MMK7.5 472K630K01L4 BULK |
| 0.0056 | K01 | 4.0 | 8.0  | 10.0 | 60 | MMK7.5 562K630K01L4 BULK |
| 0.0068 | K01 | 4.0 | 8.0  | 10.0 | 60 | MMK7.5 682K630K01L4 BULK |
| 0.0082 | K01 | 4.0 | 8.0  | 10.0 | 60 | MMK7.5 822K630K01L4 BULK |
| 0.010  | K01 | 4.0 | 8.0  | 10.0 | 60 | MMK7.5 103K630K01L4 BULK |
| 0.012  | K01 | 4.0 | 8.0  | 10.0 | 60 | MMK7.5 123K630K01L4 BULK |
| 0.015  | K03 | 5.0 | 11.0 | 10.0 | 60 | MMK7.5 153K630K03L4 BULK |
| 0.018  | K03 | 5.0 | 11.0 | 10.0 | 60 | MMK7.5 183K630K03L4 BULK |
| 0.022  | K03 | 5.0 | 11.0 | 10.0 | 60 | MMK7.5 223K630K03L4 BULK |
| 0.027  | K03 | 5.0 | 11.0 | 10.0 | 60 | MMK7.5 273K630K03L4 BULK |
| 0.033  | K04 | 6.0 | 12.0 | 10.5 | 60 | MMK7.5 333K630K04L4 BULK |
| 0.039  | K04 | 6.0 | 12.0 | 10.5 | 60 | MMK7.5 393K630K04L4 BULK |

## LEAD SPACING 10 MM

|        |     |     |      |      |    |                         |
|--------|-----|-----|------|------|----|-------------------------|
| 0.0010 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 102K630A01L4 BULK |
| 0.0012 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 122K630A01L4 BULK |
| 0.0015 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 152K630A01L4 BULK |
| 0.0018 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 182K630A01L4 BULK |
| 0.0022 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 222K630A01L4 BULK |
| 0.0027 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 272K630A01L4 BULK |
| 0.0033 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 332K630A01L4 BULK |
| 0.0039 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 392K630A01L4 BULK |
| 0.0047 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 472K630A01L4 BULK |
| 0.0056 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 562K630A01L4 BULK |
| 0.0068 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 682K630A01L4 BULK |
| 0.0078 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 782K630A01L4 BULK |
| 0.0082 | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 822K630A01L4 BULK |
| 0.010  | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 103K630A01L4 BULK |
| 0.012  | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 123K630A01L4 BULK |
| 0.015  | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 153K630A01L4 BULK |
| 0.018  | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 183K630A01L4 BULK |
| 0.022  | A01 | 4.0 | 9.0  | 13.0 | 40 | MMK10 223K630A01L4 BULK |
| 0.027  | A02 | 4.5 | 10.5 | 13.0 | 40 | MMK10 273K630A02L4 BULK |
| 0.033  | A02 | 4.5 | 10.5 | 13.0 | 40 | MMK10 333K630A02L4 BULK |
| 0.039  | A03 | 5.0 | 11.0 | 13.0 | 40 | MMK10 393K630A03L4 BULK |
| 0.047  | A04 | 6.0 | 12.0 | 13.0 | 40 | MMK10 473K630A04L4 BULK |
| 0.056  | A04 | 6.0 | 12.0 | 13.0 | 40 | MMK10 563K630A04L4 BULK |

## LEAD SPACING 15 MM

|       |     |     |      |      |    |                         |
|-------|-----|-----|------|------|----|-------------------------|
| 0.027 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 273K630B04L4 BULK |
| 0.033 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 333K630B04L4 BULK |
| 0.039 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 393K630B04L4 BULK |
| 0.047 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 473K630B04L4 BULK |
| 0.056 | B04 | 5.5 | 10.5 | 18.0 | 25 | MMK15 563K630B04L4 BULK |
| 0.068 | B05 | 5.5 | 12.5 | 18.0 | 25 | MMK15 683K630B05L4 BULK |
| 0.082 | B10 | 6.5 | 12.5 | 18.0 | 25 | MMK15 823K630B10L4 BULK |
| 0.10  | B10 | 6.5 | 12.5 | 18.0 | 25 | MMK15 104K630B10L4 BULK |
| 0.12  | B06 | 7.5 | 14.5 | 18.0 | 25 | MMK15 124K630B06L4 BULK |

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 630 VDC/220 VAC

## LEAD SPACING 15 MM

|      |     |     |      |      |    |                         |
|------|-----|-----|------|------|----|-------------------------|
| 0.15 | B06 | 7.5 | 14.5 | 18.0 | 25 | MMK15 154K630B06L4 BULK |
| 0.18 | B12 | 8.0 | 15.0 | 18.0 | 25 | MMK15 184K630B12L4 BULK |
| 0.22 | B14 | 9.5 | 17.5 | 18.0 | 25 | MMK15 224K630B14L4 BULK |

## LEAD SPACING 22.5 MM

|       |     |      |      |      |    |                           |
|-------|-----|------|------|------|----|---------------------------|
| 0.082 | D13 | 6.5  | 14.5 | 26.0 | 12 | MMK22.5 823K630D13L4 TRAY |
| 0.10  | D13 | 6.5  | 14.5 | 26.0 | 12 | MMK22.5 104K630D13L4 TRAY |
| 0.12  | D13 | 6.5  | 14.5 | 26.0 | 12 | MMK22.5 124K630D13L4 TRAY |
| 0.15  | D13 | 6.5  | 14.5 | 26.0 | 12 | MMK22.5 154K630D13L4 TRAY |
| 0.18  | D17 | 7.0  | 16.5 | 26.0 | 12 | MMK22.5 184K630D17L4 TRAY |
| 0.22  | D17 | 7.0  | 16.5 | 26.0 | 12 | MMK22.5 224K630D17L4 TRAY |
| 0.27  | D14 | 8.0  | 16.0 | 26.0 | 12 | MMK22.5 274K630D14L4 TRAY |
| 0.33  | D15 | 9.0  | 18.5 | 26.0 | 12 | MMK22.5 334K630D15L4 TRAY |
| 0.39  | D18 | 10.5 | 19.0 | 26.0 | 12 | MMK22.5 394K630D18L4 TRAY |
| 0.47  | D16 | 11.0 | 21.5 | 26.0 | 12 | MMK22.5 474K630D16L4 TRAY |
| 0.56  | D20 | 13.5 | 23.0 | 26.0 | 12 | MMK22.5 564K630D20L4 TRAY |
| 0.68  | D20 | 13.5 | 23.0 | 26.0 | 12 | MMK22.5 684K630D20L4 TRAY |
| 0.82  | D19 | 15.5 | 24.5 | 26.0 | 12 | MMK22.5 824K630D19L4 TRAY |

## LEAD SPACING 27.5 MM

|      |     |      |      |      |    |                           |
|------|-----|------|------|------|----|---------------------------|
| 0.33 | F11 | 10.5 | 20.5 | 31.5 | 10 | MMK27.5 334K630F11L4 TRAY |
| 0.39 | F11 | 10.5 | 20.5 | 31.5 | 10 | MMK27.5 394K630F11L4 TRAY |
| 0.47 | F11 | 10.5 | 20.5 | 31.5 | 10 | MMK27.5 474K630F11L4 TRAY |
| 0.56 | F11 | 10.5 | 20.5 | 31.5 | 10 | MMK27.5 564K630F11L4 TRAY |
| 0.56 | F17 | 21.0 | 12.5 | 31.5 | 10 | MMK27.5 564K630F17L4 TRAY |
| 0.68 | F12 | 11.5 | 22.5 | 31.5 | 10 | MMK27.5 684K630F12L4 TRAY |
| 0.82 | F03 | 13.5 | 23.0 | 31.5 | 10 | MMK27.5 824K630F03L4 TRAY |
| 1.0  | F13 | 14.5 | 24.5 | 31.5 | 10 | MMK27.5 105K630F13L4 TRAY |
| 1.2  | F14 | 17.5 | 28.0 | 31.5 | 10 | MMK27.5 125K630F14L4 TRAY |
| 1.5  | F14 | 17.5 | 28.0 | 31.5 | 10 | MMK27.5 155K630F14L4 TRAY |
| 1.5  | F19 | 27.5 | 16.0 | 31.5 | 10 | MMK27.5 155K630F19L4 TRAY |
| 1.8  | F15 | 19.0 | 29.0 | 31.5 | 10 | MMK27.5 185K630F15L4 TRAY |
| 2.2  | F16 | 21.0 | 30.0 | 31.5 | 10 | MMK27.5 225K630F16L4 TRAY |
| 2.2  | F18 | 31.0 | 19.0 | 31.5 | 10 | MMK27.5 225K630F18L4 TRAY |

## LEAD SPACING 37.5 MM

|      |     |      |      |      |   |                           |
|------|-----|------|------|------|---|---------------------------|
| 0.82 | R05 | 13.0 | 24.0 | 41.0 | 8 | MMK37.5 824K630R05L4 TRAY |
| 1.0  | R05 | 13.0 | 24.0 | 41.0 | 8 | MMK37.5 105K630R05L4 TRAY |
| 1.2  | R05 | 13.0 | 24.0 | 41.0 | 8 | MMK37.5 125K630R05L4 TRAY |
| 1.5  | R04 | 15.0 | 26.0 | 41.0 | 8 | MMK37.5 155K630R04L4 TRAY |
| 1.8  | R04 | 15.0 | 26.0 | 41.0 | 8 | MMK37.5 185K630R04L4 TRAY |
| 2.2  | R02 | 16.5 | 32.0 | 41.0 | 8 | MMK37.5 225K630R02L4 TRAY |
| 2.7  | R03 | 19.0 | 36.0 | 41.0 | 8 | MMK37.5 275K630R03L4 TRAY |
| 3.3  | R03 | 19.0 | 36.0 | 41.0 | 8 | MMK37.5 335K630R03L4 TRAY |
| 3.9  | R06 | 21.0 | 38.0 | 41.0 | 8 | MMK37.5 395K630R06L4 TRAY |
| 4.7  | R06 | 21.0 | 38.0 | 41.0 | 8 | MMK37.5 475K630R06L4 TRAY |
| 5.6  | R08 | 28.0 | 43.0 | 41.0 | 8 | MMK37.5 565K630R08L4 TRAY |
| 6.8  | R08 | 28.0 | 43.0 | 41.0 | 8 | MMK37.5 685K630R08L4 TRAY |

## ARTICLE TABLE

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 1000 VDC/250 VAC

## LEAD SPACING 5 MM

|        |     |     |      |     |     |                         |
|--------|-----|-----|------|-----|-----|-------------------------|
| 0.0010 | J01 | 2.5 | 6.5  | 7.2 | 100 | MMK5 102K1000J01L4 BULK |
| 0.0012 | J02 | 3.5 | 8.0  | 7.2 | 100 | MMK5 122K1000J02L4 BULK |
| 0.0015 | J02 | 3.5 | 8.0  | 7.2 | 100 | MMK5 152K1000J02L4 BULK |
| 0.0018 | J02 | 3.5 | 8.0  | 7.2 | 100 | MMK5 182K1000J02L4 BULK |
| 0.0022 | J02 | 3.5 | 8.0  | 7.2 | 100 | MMK5 222K1000J02L4 BULK |
| 0.0027 | J02 | 3.5 | 8.0  | 7.2 | 100 | MMK5 272K1000J02L4 BULK |
| 0.0033 | J02 | 3.5 | 8.0  | 7.2 | 100 | MMK5 332K1000J02L4 BULK |
| 0.0039 | J03 | 4.5 | 9.0  | 7.2 | 100 | MMK5 392K1000J03L4 BULK |
| 0.0047 | J03 | 4.5 | 9.0  | 7.2 | 100 | MMK5 472K1000J03L4 BULK |
| 0.0056 | J03 | 4.5 | 9.0  | 7.2 | 100 | MMK5 562K1000J03L4 BULK |
| 0.0068 | J04 | 5.0 | 10.0 | 7.2 | 100 | MMK5 682K1000J04L4 BULK |
| 0.0082 | J05 | 6.0 | 11.0 | 7.2 | 100 | MMK5 822K1000J05L4 BULK |
| 0.010  | J05 | 6.0 | 11.0 | 7.2 | 100 | MMK5 103K1000J05L4 BULK |
| 0.012  | J06 | 7.2 | 13.0 | 7.2 | 100 | MMK5 123K1000J06L4 BULK |
| 0.015  | J06 | 7.2 | 13.0 | 7.2 | 100 | MMK5 153K1000J06L4 BULK |

## LEAD SPACING 7.5 MM

|        |     |     |      |      |    |                           |
|--------|-----|-----|------|------|----|---------------------------|
| 0.0010 | K00 | 2.5 | 6.0  | 10.0 | 80 | MMK7.5 102K1000K00L4 BULK |
| 0.0012 | K00 | 2.5 | 6.0  | 10.0 | 80 | MMK7.5 122K1000K00L4 BULK |
| 0.0015 | K00 | 2.5 | 6.0  | 10.0 | 80 | MMK7.5 152K1000K00L4 BULK |
| 0.0018 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 152K1000K01L4 BULK |
| 0.0018 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 182K1000K01L4 BULK |
| 0.0022 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 222K1000K01L4 BULK |
| 0.0027 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 272K1000K01L4 BULK |
| 0.0033 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 332K1000K01L4 BULK |
| 0.0039 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 392K1000K01L4 BULK |
| 0.0047 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 472K1000K01L4 BULK |
| 0.0056 | K01 | 4.0 | 8.0  | 10.0 | 80 | MMK7.5 562K1000K01L4 BULK |
| 0.0068 | K03 | 5.0 | 11.0 | 10.0 | 80 | MMK7.5 682K1000K03L4 BULK |
| 0.0082 | K03 | 5.0 | 11.0 | 10.0 | 80 | MMK7.5 822K1000K03L4 BULK |
| 0.010  | K03 | 5.0 | 11.0 | 10.0 | 80 | MMK7.5 103K1000K03L4 BULK |
| 0.012  | K03 | 5.0 | 11.0 | 10.0 | 80 | MMK7.5 123K1000K03L4 BULK |
| 0.015  | K04 | 6.0 | 12.0 | 10.5 | 80 | MMK7.5 153K1000K04L4 BULK |
| 0.018  | K04 | 6.0 | 12.0 | 10.5 | 80 | MMK7.5 183K1000K04L4 BULK |

## LEAD SPACING 10 MM

|        |     |     |      |      |    |                          |
|--------|-----|-----|------|------|----|--------------------------|
| 0.0010 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 102K1000A01L4 BULK |
| 0.0012 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 122K1000A01L4 BULK |
| 0.0015 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 152K1000A01L4 BULK |
| 0.0018 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 182K1000A01L4 BULK |
| 0.0022 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 222K1000A01L4 BULK |
| 0.0027 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 272K1000A01L4 BULK |
| 0.0033 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 332K1000A01L4 BULK |
| 0.0039 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 392K1000A01L4 BULK |
| 0.0047 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 472K1000A01L4 BULK |
| 0.0056 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 562K1000A01L4 BULK |
| 0.0068 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 682K1000A01L4 BULK |
| 0.0082 | A01 | 4.0 | 9.0  | 13.0 | 60 | MMK10 822K1000A01L4 BULK |
| 0.010  | A02 | 4.5 | 10.5 | 13.0 | 60 | MMK10 103K1000A02L4 BULK |
| 0.012  | A02 | 4.5 | 10.5 | 13.0 | 60 | MMK10 123K1000A02L4 BULK |
| 0.015  | A03 | 5.0 | 11.0 | 13.0 | 60 | MMK10 153K1000A03L4 BULK |
| 0.018  | A04 | 6.0 | 12.0 | 13.0 | 60 | MMK10 183K1000A04L4 BULK |
| 0.022  | A04 | 6.0 | 12.0 | 13.0 | 60 | MMK10 223K1000A04L4 BULK |

## LEAD SPACING 15 MM

|        |     |     |      |      |    |                          |
|--------|-----|-----|------|------|----|--------------------------|
| 0.0082 | B04 | 5.5 | 10.5 | 18.0 | 30 | MMK15 822K1000B04L4 BULK |
| 0.010  | B04 | 5.5 | 10.5 | 18.0 | 30 | MMK15 103K1000B04L4 BULK |
| 0.012  | B04 | 5.5 | 10.5 | 18.0 | 30 | MMK15 123K1000B04L4 BULK |
| 0.015  | B04 | 5.5 | 10.5 | 18.0 | 30 | MMK15 153K1000B04L4 BULK |

Capaci- Box Max dimen- Max  
tance code sions in mm dU/dt  
µF B H L V/µs Article code

## 1000 VDC/250 VAC

## LEAD SPACING 15 MM

|       |     |     |      |      |    |                          |
|-------|-----|-----|------|------|----|--------------------------|
| 0.018 | B04 | 5.5 | 10.5 | 18.0 | 30 | MMK15 183K1000B04L4 BULK |
| 0.022 | B04 | 5.5 | 10.5 | 18.0 | 30 | MMK15 223K1000B04L4 BULK |
| 0.027 | B05 | 5.5 | 12.5 | 18.0 | 30 | MMK15 273K1000B05L4 BULK |
| 0.033 | B10 | 6.5 | 12.5 | 18.0 | 30 | MMK15 333K1000B10L4 BULK |
| 0.039 | B10 | 6.5 | 12.5 | 18.0 | 30 | MMK15 393K1000B10L4 BULK |
| 0.047 | B06 | 7.5 | 14.5 | 18.0 | 30 | MMK15 473K1000B06L4 BULK |
| 0.056 | B06 | 7.5 | 14.5 | 18.0 | 30 | MMK15 563K1000B06L4 BULK |
| 0.068 | B11 | 8.5 | 16.0 | 18.0 | 30 | MMK15 683K1000B11L4 BULK |
| 0.082 | B14 | 9.5 | 17.5 | 18.0 | 30 | MMK15 823K1000B14L4 BULK |
| 0.10  | B14 | 9.5 | 17.5 | 18.0 | 30 | MMK15 104K1000B14L4 BULK |

## LEAD SPACING 22.5 MM

|       |     |      |      |      |    |                            |
|-------|-----|------|------|------|----|----------------------------|
| 0.033 | D13 | 6.5  | 14.5 | 26.0 | 15 | MMK22.5 333K1000D13L4 TRAY |
| 0.039 | D13 | 6.5  | 14.5 | 26.0 | 15 | MMK22.5 393K1000D13L4 TRAY |
| 0.047 | D13 | 6.5  | 14.5 | 26.0 | 15 | MMK22.5 473K1000D13L4 TRAY |
| 0.056 | D13 | 6.5  | 14.5 | 26.0 | 15 | MMK22.5 563K1000D13L4 TRAY |
| 0.068 | D13 | 6.5  | 14.5 | 26.0 | 15 | MMK22.5 683K1000D13L4 TRAY |
| 0.082 | D13 | 6.5  | 14.5 | 26.0 | 15 | MMK22.5 823K1000D13L4 TRAY |
| 0.10  | D13 | 6.5  | 14.5 | 26.0 | 15 | MMK22.5 104K1000D13L4 TRAY |
| 0.12  | D17 | 7.0  | 16.5 | 26.0 | 15 | MMK22.5 124K1000D17L4 TRAY |
| 0.15  | D17 | 7.0  | 16.5 | 26.0 | 15 | MMK22.5 154K1000D17L4 TRAY |
| 0.18  | D14 | 8.0  | 16.0 | 26.0 | 15 | MMK22.5 184K1000D14L4 TRAY |
| 0.22  | D15 | 9.0  | 18.5 | 26.0 | 15 | MMK22.5 224K1000D15L4 TRAY |
| 0.27  | D18 | 10.5 | 19.0 | 26.0 | 15 | MMK22.5 274K1000D18L4 TRAY |
| 0.33  | D16 | 11.0 | 21.5 | 26.0 | 15 | MMK22.5 334K1000D16L4 TRAY |
| 0.39  | D20 | 13.5 | 23.0 | 26.0 | 15 | MMK22.5 394K1000D20L4 TRAY |
| 0.47  | D20 | 13.5 | 23.0 | 26.0 | 15 | MMK22.5 474K1000D20L4 TRAY |
| 0.56  | D19 | 15.5 | 24.5 | 26.0 | 15 | MMK22.5 564K1000D19L4 TRAY |

## LEAD SPACING 27.5 MM

|      |     |      |      |      |    |                            |
|------|-----|------|------|------|----|----------------------------|
| 0.33 | F11 | 10.5 | 20.5 | 31.5 | 12 | MMK27.5 334K1000F11L4 TRAY |
| 0.39 | F11 | 10.5 | 20.5 | 31.5 | 12 | MMK27.5 394K1000F11L4 TRAY |
| 0.39 | F17 | 21.0 | 12.5 | 31.5 | 12 | MMK27.5 394K1000F17L4 TRAY |
| 0.47 | F12 | 11.5 | 22.5 | 31.5 | 12 | MMK27.5 474K1000F12L4 TRAY |
| 0.56 | F03 | 13.5 | 23.0 | 31.5 | 12 | MMK27.5 564K1000F03L4 TRAY |
| 0.68 | F13 | 14.5 | 24.5 | 31.5 | 12 | MMK27.5 684K1000F13L4 TRAY |
| 0.82 | F14 | 17.5 | 28.0 | 31.5 | 12 | MMK27.5 824K1000F14L4 TRAY |
| 0.82 | F19 | 27.5 | 16.0 | 31.5 | 12 | MMK27.5 824K1000F19L4 TRAY |
| 1.0  | F14 | 17.5 | 28.0 | 31.5 | 12 | MMK27.5 105K1000F14L4 TRAY |
| 1.2  | F15 | 19.0 | 29.0 | 31.5 | 12 | MMK27.5 125K1000F15L4 TRAY |
| 1.2  | F18 | 31.0 | 19.0 | 31.5 | 12 | MMK27.5 125K1000F18L4 TRAY |
| 1.5  | F16 | 21.0 | 30.0 | 31.5 | 12 | MMK27.5 155K1000F16L4 TRAY |

## LEAD SPACING 37.5 MM

|      |     |      |      |      |    |                            |
|------|-----|------|------|------|----|----------------------------|
| 0.68 | R05 | 13.0 | 24.0 | 41.0 | 10 | MMK37.5 684K1000R05L4 TRAY |
| 0.82 | R05 | 13.0 | 24.0 | 41.0 | 10 | MMK37.5 824K1000R05L4 TRAY |
| 1.0  | R04 | 15.0 | 26.0 | 41.0 | 10 | MMK37.5 105K1000R04L4 TRAY |
| 1.2  | R04 | 15.0 | 26.0 | 41.0 | 10 | MMK37.5 125K1000R04L4 TRAY |
| 1.5  | R02 | 16.5 | 32.0 | 41.0 | 10 | MMK37.5 155K1000R02L4 TRAY |
| 1.8  | R02 | 16.5 | 32.0 | 41.0 | 10 | MMK37.5 185K1000R02L4 TRAY |
| 2.2  | R03 | 19.0 | 36.0 | 41.0 | 10 | MMK37.5 225K1000R03L4 TRAY |
| 2.7  | R06 | 21.0 | 38.0 | 41.0 | 10 | MMK37.5 275K1000R06L4 TRAY |
| 3.3  | R08 | 28.0 | 43.0 | 41.0 | 10 | MMK37.5 335K1000R08L4 TRAY |
| 3.9  | R08 | 28.0 | 43.0 | 41.0 | 10 | MMK37.5 395K1000R08L4 TRAY |
| 4.7  | R08 | 28.0 | 43.0 | 41.0 | 10 | MMK37.5 475K1000R08L4 TRAY |

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Penang, Malaysia  
Tel: 60-4-6430200

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| Tools                          |                                                                             |
|--------------------------------|-----------------------------------------------------------------------------|
| Resource                       | Location                                                                    |
| Configure A Part: CapEdge      | <a href="http://capacitoredge.kemet.com">http://capacitoredge.kemet.com</a> |
| SPICE & FIT Software           | <a href="http://www.kemet.com/spice">http://www.kemet.com/spice</a>         |
| Search Our FAQs: KnowledgeEdge | <a href="http://www.kemet.com/keask">http://www.kemet.com/keask</a>         |

| Product Information                                  |                                                                                           |
|------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Resource                                             | Location                                                                                  |
| Products                                             | <a href="http://www.kemet.com/products">http://www.kemet.com/products</a>                 |
| Technical Resources (Including Soldering Techniques) | <a href="http://www.kemet.com/technicalpapers">http://www.kemet.com/technicalpapers</a>   |
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[MMK7.5104K250K01L16.5TR18](#) [MMK7.5474K63K01L16.5TR18](#) [MMK22.5106K100D19L4TRAY](#)  
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- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



## JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,  
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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